BANGALORE METRO RAIL CORPORATION LIMITED

Driving Bangalore Ahead

TENDER DOCUMENT

Supply, Installation, Testing, and Commissioning (SITC) of LED Light Fixtures Covered with 5-years Comprehensive Onsite Warranty for Phase-1 Metro Stations and Depots of BMRCL

TENDER No: BMRCL/2024-25/EL/WORK_INDENT67

May-2025

BANGALORE METRO RAIL CORPORATION LIMITED
Baiyapanahalli Metro Depot, Near NGEF Signal,
Old Madras Road, Bengaluru – 560038,
Karnataka

MOHANRAJ DORAISWAMY
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TENDERS

Tender No: BMRCL/2024-25/EL/WORK_INDENT67		
Name of Work: Supply, Installation, Testing, and Commissioning (SITC) of LED Light Fixtures covered with 5-year Comprehensive Onsite Warranty for Phase-1 Metro Stations and Depots of BMRCL.		
Sl.no.	**Description**	
1.	Estimated Cost of the Tender	₹ 1,81,59,710.00 (Rupees One Crore Eighty One Lakhs Fifty Nine Thousand Seven Hundred and Ten Only) (Exclusive of GST)
2.	Tender Security / EMD Amount	₹ 2,72,396.00 (Two Lakh Seventy-Two Thousand Three Hundred Ninety-Six Rupees). The Tenderer shall pay full EMD (Tender Security) amount through online payment in e-Procurement Portal (or) submit in the form of Electronic Bank Guarantee (e-BG) /Bank Guarantee (BG) and other modes as specified in the e-portal.
3.	Completion Period of Contract	02 Years
4.	Download of Tender documents	Tender documents to be downloaded from Karnataka Public Procurement Portal (e-Procurement Portal: https://kppp.karnataka.gov.in/)
5.	Last Date of Seeking Clarification	As per Date and Time specified in e-Procurement Portal.
6.	Pre-bid meeting	As per Date and Time specified in e-Procurement Portal.
7.	Last Date and Time for submission of Tender	As per Date and Time specified in e-Procurement Portal.
8.	Date and Time of opening of Tender (Qualification cum Technical Package)	As per Date and Time specified in e-Procurement Portal.
9.	Date and Time of opening of Tender (Financial Package)	Will be intimated to the Qualified Tenderers through e-mail or Telephone.
10.	Place of Opening of Tenders (Qualification Cum Technical Package & Financial Package)	The opening of the Qualification Cum Technical Package and Financial package shall take place online through e-Procurement Portal.
11.	Address for communication	Office of the Dy. General Manager (E&M), Bangalore Metro Rail Corporation Limited, Admin Building, Baiyapanahalli Metro Depot, Near NGEF Signal, Old Madras Road Bangalore - 560038, Karnataka, India Ph No: 080-25191120 Email: mohanrajd_em@bmrc.co.in

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Table of Contents

Section No.	Description	Page No.
VOL 1 - QUALIFICATION CUM TECHNICAL PACKAGE		
1	A. NOTICE INVITING TENDERS (NIT)	07
	B. KEY DETAILS	12
2	INSTRUCTIONS TO TENDERERS (ITT)	13
3	QUALIFICATION INFORMATION	33
4	FORM OF TENDER (FOT)	39
5	GENERAL CONDITIONS OF CONTRACT (GCC)	43
6	SPECIAL CONDITIONS OF CONTRACT (SCC)	65
7	TECHNICAL SPECIFICATIONS & SCOPE OF WORK	75
8	DRAWINGS	83
9	PROFORMA OF BANK GUARANTEES	87
10	ANNEXURES	97
11	INSTRUCTION FOR COMPLETING THE PRICE DOCUMENT	117
01	**VOL II – FINANCIAL PACKAGE (BOQ)**	

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SECTION-I

NOTICE INVITING TENDER (NIT)

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SECTION I

A. NOTICE INVITING TENDER (NIT)

Tender No.: BMRCL/2024-25/EL/WORK_INDENT67 Date: xx/xx/2025

1. Bangalore Metro Rail Corporation Ltd (BMRCL) invites Domestic Tenders **(Single stage – Two cover System)** through Karnataka Public Procurement Portal (e-Procurement Portal) of e-Governance Department, Govt. of Karnataka (https://kppp.karnataka.gov.in) from eligible domestic tenderers must have experience in the supply, installation, testing, commissioning, repair and maintenance of LT electrical installations (up to 11kV) for any central government, state government, PSUs, Indian Railways, metro rail, or reputable private organizations. Additionally, the Tenderer must hold a valid Class-1 Electrical License issued by the Electrical Inspectorate of the Government of Karnataka. The Tenderer must also be an authorized sales dealer of the original equipment manufacturers (OEMs) for the LED lights supplied.

Tender No.	Name of work	Earnest Money Deposit (₹)	Tender processing fee (₹)	Period of Contract
1	2	4	5	6
BMRCL/2024-25/EL/WORK_INDENT67	Supply, Installation, Testing, and Commissioning (SITC) of LED Light Fixtures covered with 5-year Comprehensive Onsite Warranty for Phase-1 Metro Stations and Depots of BMRCL	₹ 2,72,396.00	As fixed by e-procurement Cell, Govt. of Karnataka	02 Years

2. **REGISTRATION**:

a) Tenders required to enroll on the Karnataka Public Procurement Portal (https://kppp.karnataka.gov.in/) by clicking on the link “Tenderers Registration” on the Karnataka Public Procurement Portal and by paying requisite registration fee.

b) As part of the enrolment process, the Tenderers will be required to choose a unique user name to assign a password for their accounts.

c) Tenderers are advised to register their valid email addresses and mobile numbers as part of the registration process. These would be used for any communication with the Tenderer.

d) Upon enrolment, the Tenderers will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India.

e) Only one (01) valid DSC should be registered by a Tenderer. Please note that the Tenderers are responsible for ensuring that they do not lend their DSCs to others which may lead to misuse.

f) Tenderers should then login to the website through the secured log-in by entering their user ID/password and the password of the DSC / e-Token.

g) The scanned copies of all original documents (as required) should be uploaded on portal in PDF/JPG format.

h) For any query regarding e-Procurement on the Karnataka Public Procurement Portal, contact helpdesk number: +91-8046010000, +91-8068948777, and Email ID: support@eprochelpdesk.com.

3. **SEARCHING FOR TENDERS/BIDS:**
Once the Tenderers have selected the proposal Bids/Tenders and if they are interested in participating, the Tenderers can pay non-refundable processing fee to Karnataka Public Procurement Portal (KPPP).

However, the Tenderer shall submit such transaction details along with their Tender submission on e-Procurement portal. If the same transaction reference number has been submitted for more than one Bid, all such Bids shall be considered ineligible and summarily rejected.
It will be the responsibility of the Tenderer to check the website and see any Addendum /Corrigendum issued in this Tender from time to time and ensure submission of Tender submittals binding accordingly.

4. Tender documents consist of the following Sections,

Section I	-	Notice Inviting Tenders (NIT)
Section II	-	Instructions to Tenderers (ITT)
Section III	-	Qualification Information
Section IV	-	Form of Tender (FOT)
Section V	-	General Conditions of Contract (GCC)
Section VI	-	Special Conditions of Contract (SCC)
Section VII	-	Technical Specifications & Scope of Work
Section VIII	-	Drawing (Not Applicable)
Section IX	-	Proforma of Bank Guarantees
Section X	-	Annexures
Section XI	-	Instructions for completing Pricing Document

5. Tenders must be accompanied by **Tender Security / Earnest Money Deposit (EMD)** as specified in ITT clause 14, drawn in favor of “Bangalore Metro Rail Corporation Ltd”. Tender Security/EMD will have to be paid in full amount through online payment in e-Procurement Portal (or) submit in any one of the forms of **Electronic Bank Guarantee (eBG) or Bank Guarantee** or any other modes as specified in the e-portal and shall have to be valid for 45 days beyond the validity of the Tender (i.e.120+45 = 165 days from the date of opening of Tender).

6. Tenders must be submitted electronically through Karnataka Public Procurement Portal /eProcurement Portal (https://kppp.karnataka.gov.in/) before the last date & time prescribed in the e-Procurement portal using a valid DSC (Digital Signature Certificate).

All Tenderers are requested to note that the originals of those documents, as listed under ITT clause 9.2, should be submitted in hardcopy by ’Speed post' or ’in person' at BMRCL E&M office within **2 days** from the date of Bid opening. Tender submission without such submission of original documents shall be liable for rejection.

7. Tenders cannot be submitted online after the stipulated time of submission of Tender.

8. Tenders shall be valid for a period of **120 days** from the date of Technical Bid opening.

9. ‘Qualification cum Technical Package' will be opened as per the latest specified time and date published in the e-Procurement portal.

The Financial Packages of technically qualified Tenderers will be opened at a date and time advised by BMRCL through e-Procurement Portal.

10. The Tenderer shall provide credentials in support of their eligibility, qualifying criteria, technical capability, financial strength/support and past work experience by supporting documents / client certificates / CA's audit reports set forth in ITT Clause 3.

11. The Employer requires that Contractors observe highest standard of ethics during the procurement and execution of the Contract. In pursuance of this policy, The Employer;

(a) Will reject the Tender for the Work or rescind the Contract, if the Employer determines that the Tenderer / Contractor has engaged in corrupt or fraudulent practices.

(b) Will declare a contractor ineligible, either indefinitely or for a stated period of time, to be awarded a Contract, if the Employer, at any time, determines that the Tenderer or the Contractor has engaged in corrupt or fraudulent practices in competing for, or in executing, the Contract.

12. All Tenderers are hereby cautioned that Tenders shall be submitted without any deviation, alteration or modification. Tenders containing any deviation from contractual terms and conditions, specifications and other requirements shall be considered as non-responsive and shall be liable for rejection.

13. BMRCL reserves the right to accept or reject any or all Tenders in 'Part 'or 'Full' without assigning any reason. No Tenderer shall have any cause of action or claim against BMRCL for rejection of his Tender.

14. Registered Tenderers with e-token are advised to frequently check the e-Procurement portal for any amendments like Addendum / Corrigendum.

15. BMRCL will not be held responsible for consequential damages/losses due to lack /interruption of power supply & internet, low speed of internet, System problems, loss of electronic information/data etc.

16. For further clarifications/details, contact: Dy. General Manager (E&M), BMRCL on +91 8277891524, Fax-+91 ……., E-mail: mohanrajd_em@bmrc.co.in

For any query regarding e-Procurement portal/ Tender submission, please contact helpdesk at+91-80-46010000, +91-80-68948777, Email: support@eprochelpdesk.com.

Dy General Manager (E&M)
Bangalore Metro Rail Corporation Limited

B. KEY DETAILS

1.	Tender Processing fee (Non-refundable)	As fixed by e-procurement Cell, Govt. of Karnataka
2.	Tender Security / Earnest Money Deposit (EMD)	₹ 2,72,396.00 (Two Lakh Seventy-Two Thousand Three Hundred Ninety-Six Rupees). The Tenderer shall pay full EMD (Tender Security) amount through online payment in e-Procurement Portal (or) submit in the form of Electronic Bank Guarantee (eBG) /Bank Guarantee (BG) or in any other mode as specified in the e-portal.
3.	Date and Time of opening of Tender (Qualification cum Technical Package)	As per Date and Time specified in e-Procurement Portal.
4.	Date and Time of opening of Tender (Financial Package)	Will be intimated to the Qualified Tenderers through Telephone or Email
5.	Validity of Tender	120 days from the Date of Technical Bid opening
6.	Performance Security	a. <u>Execution of the Contract</u> The successful Tenderer shall furnish a Performance Security as per ITT Clause 30 in the form of a Bank Guarantee as per **Proforma B of Section IX** for an amount of 10% of the Contract Price within **15** days from the date of issue of LOA. The validity shall be for Six (06) months beyond expiry of Contract period of 2 Years. b. <u>Warranty period of five (05) years</u> The Tenderer shall furnish a supplementary Performance Security as per ITT Clause 30 in the form of a Bank Guarantee as per **Proforma B of Section IX** for an amount of 3% of the Contract Price within **15** days from the date of expiry of the PBG in (a) above, provided towards execution of the Contract. The validity shall be for Six (06) months beyond expiry of Warranty period of five (05) years. The PBG towards (a) above shall be returned only on submission of the supplementary PBG at (b) above.
7.	Start Date	The date of issue of "Letter of Acceptance (LOA)"
8.	Contract period	02 Years
9.	Address for Communication	Office of the Dy. General Manager (E&M), Bangalore Metro Rail Corporation Limited Admin Building, Baiyappahalli Metro Depot Near NGEF Signal, Old Madras Road Bangalore - 560038, Karnataka, India Ph. No: 080-25191120 Email: mohanrajd_em@bmrc.co.in
11.	Last Date of Seeking Clarification on Tender Document	As per Date and Time specified in e-Procurement Portal.
12.	Pre-Bid Meeting	As per Date and Time specified in e-Procurement Portal.

SECTION-II
INSTRUCTIONS TO TENDERERS
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SECTION II: INSTRUCTIONS TO TENDERERS (ITT)

Table of Clauses

A. GENERAL 17

1. DESCRIPTION OF THE WORK 17
2. ELIGIBLE TENDERERS 17
3. QUALIFICATION CRITERIA 18
4. COST OF TENDERING 19

B. TENDER DOCUMENTS 19

5. CONTENT OF TENDER DOCUMENTS 19
6. CLARIFICATION OF TENDER DOCUMENTS 19
7. AMENDMENT OF TENDER DOCUMENTS 20
8. LANGUAGE OF TENDER 20

C. PREPARATION OF TENDERS 20

9. DOCUMENTS COMPRISING THE TENDER 20
10. FORM OF TENDER 21
11. TENDER PRICES 21
12. TENDER CURRENCY 21
13. TENDER VALIDITY 21
14. EARNEST MONEY DEPOSIT (EMD)/TENDER SECURITY 21
15. FORMAT AND SIGNING OF TENDER 23

D. SUBMISSION OF TENDERS 23

16. DIGITAL SUBMISSION OF TENDERS 23
17. DEADLINE FOR SUBMISSION OF THE TENDERS 24
18. LATE TENDERS 24
19. MODIFICATION AND WITHDRAWAL OF TENDERS 24

E. TENDER OPENING AND EVALUATION 25

20. TENDER OPENING 25
21. PROCESS TO BE CONFIDENTIAL 25
22. CLARIFICATION OF TENDER SUBMITTALS 26
23. EXAMINATION OF TENDERS AND DETERMINATION OF RESPONSIVENESS 26
24. CORRECTION OF ERRORS 26
25. EVALUATION AND COMPARISON OF TENDERS 27

F. AWARD OF CONTRACT 27

26. AWARD CRITERIA 27
27. EMPLOYER'S RIGHT TO VARY QUANTITIES DURING THE CONTRACT 27
28. EMPLOYER'S RIGHT TO ACCEPT ANY TENDER AND TO REJECT ANY OR ALL TENDERS 27
29. NOTIFICATION OF AWARD AND SIGNING OF AGREEMENT 28
30. SECURITY DEPOSIT / PERFORMANCE SECURITY 28
31. CORRUPT OR FRAUDULENT PRACTICES 29

32. ONE TENDER PER TENDERER 30
33. SITE VISIT 31
34. SUFFICIENCY OF TENDER 31
35. LOCAL CONTENT & PURCHASE PREFERENCE 32
36. ELIGIBLE SOURCE COUNTRIES OF THE TENDERER 32

SECTION II

INSTRUCTIONS TO TENDERERS

A. GENERAL

1. Description of the work

Bangalore Metro Rail Corporation limited (BMRCL), a Special Purpose Vehicle (SPV) established under the Companies Act, 1956 (hereinafter referred to as "BMRCL" or "the Company" or "the Employer" or "the Client"), invites Domestic Tenders (**Single stage - Two Cover System)** through Karnataka Public Procurement Portal (e-Procurement) Portal of e-Governance Department, Govt. of Karnataka (https://kppp.karnataka.gov.in), from the eligible Tenderers for "**Supply, Installation, Testing, and Commissioning (SITC) of LED Light Fixtures Covered with 5-year Comprehensive Onsite Warranty for Phase-I Metro Stations and Depots of BMRCL** ". (Hereinafter referred to as "the works") as per Terms and Conditions contained in this Tender document.

1.1 The Supply, Installation, Testing, and Commissioning (SITC) of LED Lights with 5-year Comprehensive Onsite Warranty for Phase-1 Metro Stations and Depots of BMRCL. The prices for the work contract shall be quoted on the unit rate basis and shall remain firm.

2. Eligible Tenderers

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka or BMRCL. (The Declaration to be submitted following the format outlined in Additional Document-3)

2.2 This is a Domestic Competitive Bidding. Sole Proprietorship Firm/Partnership Firm/Private Limited Company/Public Limited Company is Eligible to apply.

2.3 Tenders from Joint ventures are not acceptable.

2.4 The Tenderer should not have been blacklisted / debarred by any Government / Government undertaking / semi-Government / Govt. Controlled Institutions/projects in India, during last five (5) year Also, the Tenderer should not have rescinded the Works after award of the Contract during the last five (5) year. The Tenderer shall provide an Undertaking as provided at **Annexure-4.**

Note: Last five (5) years shall be counted from 28 days prior to the deadline date of submission of the Tender.

2.5 Only firm/s that/those is/are registered or incorporated in India is/are eligible to participate.

and

Any Tenderer from a country, which shares a land border with India and to which the Govt. of India has not extended lines of credit or in which the Govt. of India is not engaged in development projects, will be eligible to bid in this Tender, only if the Tenderer is registered with the "Competent Authority", as defined in ITT clause 36.

2.6 Only 'Class-I Local Tenderers' as defined under ITT clause 35 shall be eligible to bid.

3. Qualification Criteria :

3.1 **a)** The Tenderer should have a valid "**Class-1 Electrical License**" issued by the Electrical Inspectorate, Government of Karnataka. Attested copy of License shall be furnished. Original document of license will have to be produced for verification by BMRCL after opening of the Qualification cum Technical package, as requested.

b) The Tenderer must be an **authorized sales dealer** of the original equipment manufacturers (OEMs) for LED Light Fixtures as specified in Section VII: Technical Specification & Scope of Work in the Tender document.

c) The Tenderers are required to visit the site with prior permission to assess the dimensions and layout of the existing light fixtures. In addition, the Tenderer shall arrange for a demonstration of all types of LED light fixtures as per the specification they intend to offer prior to submitting their Tender. This demonstration shall include presenting samples of LED light fixture that align with the existing setup and meet the specifications outlined in the Technical Specifications section of the Tender. The suggestions, if any, during the demonstration provided by BMRCL shall be taken into consideration and strictly complied.

Further, the Tenderer shall upload the Product Suitability Confirmation Letter issued by the Tender Inviting Authority (TIA), to confirm that the product has successfully passed the suitability demo process. This confirmation letter is mandatory document and shall be submitted as a part of the Tender to validate the compliance with the product requirements.

The Tenderers who meet the minimum above specified Qualification Criteria shall only be considered as qualified.

3.2 **Work Experience**

The Tenderer shall have experience of carrying out similar works to a Low Tension (LT) installation as under:

I. Supply, Installation, Testing & Commissioning of LT Electrical installations such as Lighting System, Electrical Panel Boards, LT wiring/cabling, Power distribution, Earthing & Grounding etc.

and/or

II. Repair and maintenance of LT Electrical installations (Up to 11Kv)

and

III. Should have completed similar works during the last five (05) years ending 28 days prior to Tender Submission Deadline date in any Central Govt./State Govt./PSUs/Indian Railways/Metro Rail/Reputed Pvt Organization/Commercial buildings/Industrial structures and fulfill the following to establish the same.

1	One (01) similar work costing not less than the amount equal to **₹ 145.27 Lakhs**
OR	
2	Two (02) similar work costing not less than the amount equal to **₹ 90.79 Lakhs**
OR	
3	Three (03) similar work costing not less than the amount equal to **₹ 72.63 Lakhs**

Note:

a) The Tenderer shall provide Client's reference letter(s)/Completion Certificates/ relevant work order copy along with the Tender against 3.2 of above. (Also fill in the details in Additional Document - 6 of Section X - Annexures).

b) Last five (5) years shall be counted from 28 days prior to the last date of submission of the Tender.

c) Completion certificates for works issued by Private parties shall be supported by TDS (Tax Deducted at Source) certificates.

3.3 All Tenderers shall provide the required information accurately and in sufficient detail in **Section III: Qualification information's.**

3.4 To qualify for award of this Contract, each Tenderer in its name should comply the following:

Financial Turnover:
Each Tenderer in its name should have achieved in at least two (02) financial years out of the last five (05) financial years i.e., FY 2019-20 to 2023-24, a minimum annual financial Turnover of **₹ 181.60 Lakhs** (The CA Certified Annual Turnover certificate must be submitted following the format outlined in Additional Document-2 of Section X - Annexures)

3.5 **Each Tenderer should further demonstrate:**

(a) Liquid assets and/or availability of credit facilities of not less than **₹ 22.70 Lakhs** (Credit lines/ letter of credit/ certificates from Banks for meeting the fund requirement etc.) exclusively for this Tender. (The Banker's certificate must be submitted following the format outlined in Additional Document-5 of Section X - Annexures.)

(b) Availability of Office in Bangalore and sufficient staff in Bangalore office to cater 24 x 7 Service on all 365 days.

3.6 **Mandatory Requirements:**

(i) The existing installed LED light fixtures in Underground/Elevated BMRCL Metro Stations and depots are of Philips make which is specific to dimensions, type & spec and BMRCL requires one-to-one replacement with equivalent type, dimension, specification suitable for the existing location.

(ii) Prior to submitting the Tender, the Tenderer shall visit the site with prior notification to BMRCL in order to inspect the existing LED light fixtures, including their type, dimensions, specifications and installation arrangements at any one Underground and one Elevated Metro Stations. Additionally, the Tenderer shall provide and demonstrate one sample LED fixture for each type and model to confirm their suitability.

(iii) After complying point (ii), the Tenderer shall submit site visit certificate jointly signed by Tenderer & BMRCL representative as per the Annexure-7 attached and the same to be uploaded along with Tender submission otherwise Tender will be summarily rejected.

(iv) The work involves dismantling of the existing LED light fixtures and replacing new LED fixtures of similar type.

(v) All the LED light fixtures supplied to BMRCL shall be covered with OEM comprehensive warranty obligation at site for a period of 5 years from the date of supply of materials to BMRCL. The Tenderer shall submit the warranty certificate issued by OEM with supply of material.

3.7 Even though the Tenderers meet the Qualification criteria in accordance with ITT Clause 3, they are subject to be disqualified if they have:

(a) made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or

(b) record of poor performance such as abandoning the works, not properly completing the Contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or

(c) Participated in the previous Tender for the same work and had quoted unreasonably high Tender prices and could not furnish rational justification.

4. Cost of Tendering

4.1 The Tenderer shall bear all costs associated with the preparation and submission of its Tender and BMRCL will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the Tender process.

B. TENDER DOCUMENTS

5. Content of Tender documents

5.1 Tendering procedures and Contract terms are prescribed in the Tender documents. The Tender document shall include:

Volume 1: Qualification cum Technical Package

I. Notice Inviting Tender (NIT)
II. Instructions to Tenderers (ITT)
III. Qualification Criteria
IV. Form of Tender (FOT)
V. General Conditions of Contract (GCC)
VI. Special Conditions of Contract (SCC).
VII. Technical Specification and Scope of Work
VIII. Drawings
IX. Proforma of Bank Guarantees
X. Annexures
XI. Any other document listed as forming part of the Contract.

Volume 2: Financial Package

Bill of Quantities (Pricing Document)

5.2 The Tenderer is expected to examine all Instructions, Forms, Terms, Specifications and Scope of Work in the Tender documents. Failure to furnish all information required by the Tender documents or submission of a Tender not substantially responsive to the Tender documents in every respect will be at the Tenderer's risk and may result in rejection of its Tender.

6. Clarification of Tender Documents

6.1 Tenderers shall carefully examine the Tender documents and fully understand the conditions and matters which may affect the work or the cost thereof. In case the Tenderer finds any discrepancies or omission from the specification or other documents, or in doubt as to their meaning, the Tenderer shall at once address query(ies) online through Karnataka Public Procurement Portal (e-Procurement portal).

6.2 The Employer will offer clarification to such queries received through eProcurement portal up to the date specified therein.

Any such queries with details of clarification sought, will be uploaded in the eProcurement portal (https://kppp.karnataka.gov.in) without disclosing the identity of the Tenderer seeking clarification. No separate future communication in this regard will be entertained.

6.3 While all efforts have been made to make the Tender document error free, the Tenderer is advised to check the same carefully and may seek clarification(s) if any within the scheduled

period only. No claims on account of any error(s), detected in the tender document, shall be entertained.

6.4 **Pre-bid meeting**:

6.4.1 The Tenderer or his authorized representative is invited to attend a Pre-bid meeting held at the Place, date and time indicated in in Key Details Section-I of NIT/ eProcurement Portal.

6.4.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage to enable the Tenderers to submit Tenders without conditions.

6.4.3 The Tenderer is requested to submit any questions online through Karnataka Public Procurement Portal (e-Procurement portal) only, in terms of ITT clause 6.1.

6.4.4 BMRCL will offer clarifications to the questions raised by the Tenderers through online and received by BMRCL (without identifying the source of enquiry) and the responses will be given through online. Any modification of the Tender documents listed in ITT Sub-clause 5.1 which may become necessary as a result of the Pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to ITT Clause 7.

6.4.5 Non-attendance at the Pre-bid meeting will not be a cause for disqualification of a Tenderer.

7. Amendment of Tender documents

7.1 At any time prior to the deadline for submission of Tenders, the Employer may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Tenderer, modify the Tender documents by an Addenda/Corrigenda.

7.2 Such Addenda/Corrigenda will be uploaded in the eProcurement portal. It will be the responsibility of the Tenderer to frequently check the eProcurement portal for any Addenda/Corrigenda or any other updates issued from time to time and ensure submission of Tender accordingly.

7.3 To give prospective Tenderers reasonable time in which to take an amendment into account in preparing their Tenders, the Employer shall extend as necessary the deadline for submission of Tenders, in accordance with ITT Sub-Clause 17.2 below.

7.4 Without prejudice to the order of preference, the provisions in such addenda shall take priority over the Tender document issued previously. The Tenderers should acknowledge receipt of such addenda and list them in the Tender submittals.

7.5 The Tenderer is not permitted to make any alteration /modifications to the Tender conditions. No modifications to the specifications, item descriptions, etc. will be entertained.

8. Language of Tender

8.1 The Tender prepared by the Tenderer, as well as all correspondence and documents relating to the Tender exchanged by the Tenderer and the Employer, shall be written in English language. Supporting documents and printed literature furnished by the Tenderer may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language in which case, for purposes of interpretation of the Tender, the translation shall govern.

C. PREPARATION OF TENDERS

9. Documents comprising the Tender

9.1 The Tender duly filled & signed and submitted by the Tenderer shall be in Two (2) Electronic Documents in e-procurement platform and shall contain the documents as follows:

9.1.1 **Qualification cum Technical Package**

a) Earnest Money Deposit (EMD) /Tender Security (in accordance with ITT Clause 14);
b) The Form of Tender (in the format indicated in Section 4);

c) Qualification Information Form and Documents (in accordance with Section 3) and any other submissions as per requirements of Tender Document;
d) Covering Letter stating any other matter in relation to his Tender which the Tenderer considers should be drawn to the particular notice of BMRCL.

and any other documents required to be completed and submitted by Tenderers in accordance with these instructions. **The documents listed under Sections 3 and 4 shall be filled in without exception.**

9.1.2 **Financial Package**

a) The Tenderer shall fill in and complete the Bill of Quantities (Financial Package) online through Karnataka Public Procurement Portal only and **no hardcopy of commercials should be attached or disclosed elsewhere.**
The Tenderer shall fill in and complete the 'Bill of Quantities' in accordance with the 'Instructions for completing the Pricing Document', Section-11.

9.2 **Original Documents (Hardcopy):**

The Tenderer is required to submit the following documents in original (hard copy) within the time and place mentioned in ITT clause 16.7:

i) Tender Security/Earnest Money Deposit (EMD), as per clause 14,
ii) Notarized Power of Attorney and Board resolution (as applicable) as per ITT clause 15,
iii) Form of Tender
iv) Hardcopy of all other documents explicitly required in Tender document.

In case of failure in submission of the above documents within stipulated date, the Tender may be treated as incomplete and be liable for rejection.

9.3 Tenderers submitting Tenders together with other Contracts stated in the NIT to form a Package, will so indicate in the Tender together with any discounts offered for the award of more than one Contract.

10. Form of Tender

The Tenderer shall complete the Form of Tender furnished in the Tender documents on firm's letter head and upload duly signed & stamped along with the Tender document.

11. Tender prices

11.1 The Contract shall be for the whole of the works as described in Clause 1 of ITT, based on the priced Bill of Quantities submitted by the Tenderer.

11.1.1 The rates and prices quoted for each item shall be inclusive all taxes and duties including labour cess under applicable law but **exclusive of CGST & SGST**. BMRCL shall pay the CGST & SGST as applicable as per law. The quoted price shall also include insurance, transportation up to destination, handling, installation, royalties & any other charges leviable and payable by the Contractor to the authorities and including Tax to be deducted at source as defined in ITT Clause 11.

11.1.2 The evaluation and comparison of Tenders shall be made accordingly by BMRCL. No claim will be entertained on this account after acceptance of the Tender or during the currency of the Contract.

11.1.3 **Income tax (IT) deduction:**

As per the prevailing rate, IT shall be deducted and remitted to the Income Tax authorities and Form 16 shall be furnished by BMRCL in proof of remittance to IT Department. For availing lower deduction of Income Tax, necessary certificate for each financial year issued by the Income Tax Authority shall be furnished by the Contractor, failing which IT at the maximum rate will be deducted.

11.2 Not used

11.3 The Price quoted by the Tenderer shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account unless provided in General conditions of Contract.

11.4 A Tender submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITT Clause 23.

11.5 Proof of GST paid to the Government shall be submitted to BMRCL along with succeeding Bills and the GST paid against the final bill shall be submitted before release of Performance Bank Guarantee.".

12. Tender Currency

12.1 Prices shall be quoted in Indian Rupees only.

13. Tender validity

13.1 Tenders shall remain valid for a period as specified in 'Appendix to Form of Tender' (Section IV) from the date of Financial bid opening as specified in Clause 17 of ITT. A Tender valid for a shorter period shall be rejected by the Employer as non-responsive.

13.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his Earnest Money Deposit. A Tenderer agreeing to the request will not be required or permitted to modify his Tender but will be required to extend the validity of his Earnest Money Deposit for a period of the extension, and in compliance with ITT Clause 14 in all respects.

14. Earnest Money Deposit (EMD)

14.1 The Tenderer shall furnish, as part of its Tender, interest free Tender Security/ EMD as per e-Procurement Portal.

14.2 The Earnest Money Deposit is required to protect the Employer against the risk of Tenderer's conduct which would warrant the Security's forfeiture, pursuant to ITT Clause 14.8.

14.3 The Tenderer shall pay/furnish an EMD (Tender Security) for the value indicated in e-Procurement portal in the following mode:

a) **Online payment** through e-Procurement portal, or

b) an irrevocable **Electronic Bank Guarantee (eBG) or Bank Guarantee*,** issued from an Indian Scheduled Bank (excluding Cooperative Banks) or from a Scheduled Foreign Bank as defined in Section 2(e) of RBI Act 1934 read with Second Schedule preferably drawn on and payable & extendable at a designated branch in Bengaluru in the form given in Proforma A of Section 9 to the Tender document. However, 'Earnest Money Deposit' Bank Guarantee format is also available in https://tenderb.bmrc.co.in.

** In case of Tender Security/EMD issued in the form of Bank Guarantee, the Scheduled Bank issuing the Bank Guarantee should preferably be on "Structure Financial Messaging System (SFMS)" platform. A separate advice of the BG shall preferably be sent by the issuing bank to the Employer's Bank through SFMS.*

The issuing Bank shall send the SFMS as detailed under to:

Name: BANGALORE METRO RAIL CORPORATION LTD.,

Name of the Bank: BANK OF INDIA

Branch: CANTONMENT BRANCH, BENGALURU.

Account No.: 840420110000760

RTGS/IFSC: BKID0008404

The Scanned copy of the BG and a copy of "MT760COV (for Bank Guarantee message) /MT767COV (for Bank Guarantee amendment message) Report" sent by the BG issuing Bank, should be uploaded by the Tenderer in the e-Procurement Portal as a part of his Offer during Tender submission. The Tenderers should ensure that both the documents (scanned copy of BG and copy of SFMS message) are uploaded to the e-Procurement portal, failure of which, the Tender will be summarily rejected by the Employer. The Original Bank Guarantee shall compulsorily be submitted in the BMRCL office before scheduled date, time and place as specified under ITT clause 16.7. The Tenderer shall note that the Original Bank Guarantee is submitted through speed post / in person and if not received before the scheduled date and time as specified in ITT clause 16, the Tender will be summarily rejected.

The details of the Bank Guarantee, physically submitted should match with the details available of the scanned copy uploaded and the data entered during Tender submission time, failing which, the Tender will be rejected.

In case of non-reconciliation of online EMD (Tender Security) portion through e-Procurement portal in Government of Karnataka Central Pooling Account held at the ICICI Bank, the Tender will get rejected.

14.4 The Earnest Money Deposit shall be valid for a period as specified in Appendix to Form of Tender (Section IV) and remain deposited with the Employer from the date of opening of Tender If the validity of the offer is extended, the Earnest Money Deposit (EMD) shall also be duly extended, failing which, the offer after the expiry of the aforesaid period shall not be considered by the Employer.

14.5 Tender Security/EMD will not be accepted in any form other than those mentioned above. Tenders not accompanied by the required amount of Tender Security/EMD and no submission of hardcopy as per ITT clause 16.7 will be rejected by the Employer.

14.6 Unsuccessful Tenderer's Earnest Money Deposit (EMD) will be discharged / returned upon the Successful Tenderer signing the unconditional acceptance of the Letter of Acceptance (LOA) communicated by the Employer in pursuant to ITT clause 29 and furnishing the Performance Security by them pursuant to ITT clause 30.

14.7 The successful Tenderer's Earnest Money Deposit (EMD) will be discharged upon the Tenderer signing the unconditional acceptance of the Letter of Acceptance (LOA) communicated by the Employer in pursuant to ITT clause 29 and furnishing the Performance Security pursuant to ITT Clause 30.

14.8 The Earnest Money Deposit (EMD) may be forfeited:

(a) If a Tenderer:
  (i) withdraws or amends or impairs or derogates its Tender during the period of Tender validity specified by the Tenderer on the 'Form of Tender'; or
  (ii) does not accept the correction of errors pursuant to ITT Clause 24.2; or

(b) In case of a successful Tenderer, if the Tenderer fails:
  (i) To sign the Contract Agreement in accordance with ITT Clause 29; or
  (ii) To furnish performance security in accordance with ITT Clause 30.

14.9 The Tender will be summarily rejected by the Employer in case of:

(i) Failure to deposit online EMD portion or failure to upload clear & readable copy of Bank Guarantee towards EMD.

(ii) Failure to submit the original Bank Guarantee /EMD to BMRCL office within the date & time specified,

(iii) If EMD(Tender Security) is in the form of Bank Guarantee and is from any source other than an Indian Scheduled Bank and Scheduled Foreign Bank as defined in section 2(e) of RBI Act 1934 read with Second Schedule.

(iv) EMD (Tender Security) in the form of Bank Guarantee is from a Co-operative Bank.

(v) EMD (Tender security) amount is less than the required amount as mentioned in NIT.

(vi) Bank Guarantee's Validity is less than Tender as mentioned in ITT clause 14.5.

In case EMD (Tender Security) is in the form of BG, and BG validity fulfils the "Tender validity Period", but falling short in regard to period of "EMD (Tender Security) Validity', the Employer shall request such Tenderer(s) in writing to submit compliance EMD / Tender Security) within 10 (ten) working days from the date of request. Failure to provide a compliant EMD Tender Security) within the prescribed period shall cause the rejection of the Tender and it will be considered as Non-responsive.

14.10 In case the Tenderer submits Electronic Bank Guarantee (e-BG), the UIN of BMRCL for providing e-BG shall be: AAACB4881D (PAN of BMRCL).

14.11 If the Tenderer has opted to submit the Tender Guarantee in the form of Electronic Bank Guarantee (e-BG), a copy of the e-BG shall invariably be included in the Tender Guarantee envelope as per Cl. 9.2 and also uploaded in eProcurement portal in case of eProcurement.

14.12 **Exemption to MSE's:** Not Applicable

15. Format and signing of Tender

15.1 The Tenderer shall follow and submit the Tender documents in the respective formats prescribed under Section 9-Proforma.

15.2 The Tender submittals shall be typed or written in indelible ink (wherever required), which is to be scanned and digitally signed using Class-III digital signature by person(s) duly authorized to bind the Tenderer to the contract. Proof of authorization shall accompany the Tender in the form of notarized "Power of Attorney". All pages of the Tender where entries, amendments, corrections, alterations, erasures etc., have been made shall be initialized by the person(s) signing the Tender.

15.3 The Tender shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the Tenderer, in which case such corrections shall be initialed by the person signing the Tender.

15.4 Any individuals signing the Tender or other documents connected therein should specify whether he is signing: -

(i) As sole proprietor of the firm or as attorney of the sole proprietor.

(ii) As a partner or partners of the firm.

(iii) As a Director, Manager or Secretary in the case of a limited Company with a copy of Notarized Power of Attorney duly authorized by a resolution passed by the Board of Directors or in pursuance of the authority conferred by Memorandum of Association.

15.5 The original Notarized Power of Attorney or other documents empowering the individual or individuals to sign should be furnished to the Employer for verification, if required

D. SUBMISSION OF TENDERS

16. Digital Submission of Tenders

16.1 All the Tender proposals shall be digitally signed along with the other Qualifying documents and shall be submitted Electronically through Karnataka Public Procurement Portal on or before the last date and time for Tender submission as published therein.

16.2 Tenderer, in advance, should get ready the Proposal documents to be submitted as indicated in the Tender document /schedule in PDF/JPEG formats. The Tenderer has to digitally sign and upload the required proposal documents one by one as indicated in the Tender document.

16.3 Tenderer should log into the Portal well in advance for the submission of the proposal so that it gets uploaded well in time i.e., on or before the last date & time for Tender submission.

16.4 Tenderer will be solely responsible for uploading the Tender submittals in eProcurement portal. BMRCL will not be held responsible for consequential damages/losses/delay due to lack /interruption of power supply & internet, low speed of internet, System problems, loss of electronic information/data etc.

16.5 The server time (which is displayed on the dashboard) will be considered as the standard time for referring the deadline for submission of the proposals by the Tenderers, opening of proposals etc. The Tenderers should follow this time during proposal submission.

16.6 The necessary certificates/documents in support of fulfilling the Eligibility Criteria and Technical requirements shall be scanned and attached to e-Procurement portal.

16.7 Original Documents to be submitted in hardcopy:

The Tenderer shall seal and submit the original documents listed in ITT Clause 9.2 in hard copy to the BMRCL office within 2 days following the opening of the Technical Package. Only the Tenders submitted online and the hardcopies will be considered for evaluation. The hardcopies should carry/accompany copy of “acknowledgement from Employer/eProcurement Portal”.

The envelope shall bear the following identification:

TENDER NO: …….

ORIGINAL SUBMITTALS OF QUALIFICATION CUM TECHNICAL PACKAGE

BMRCL Office Address for submission of hardcopy

To,
Office of the Dy. General Manager (E&M),
Bangalore Metro Rail Corporation Limited
Admin Building, Baiyapanahalli Metro Depot
Near NGEF Signal, Old Madras Road,
Bangalore - 560038, Karnataka, India
Ph No: 080-25191120
Email: mohanrajd_em@bmrc.co.in

The Tenderer can submit the hard copies by ‘Speed Post’ or ‘in person’ at the above address during 11.00 am to 05.00 pm on all working days. In case, 2nd day happens to be holiday, then the next working day shall be considered as last day for submission of the hard copy.

16.8 All Tenders shall be submitted without any deviations, alteration or modification, together with requisite Tender Security/EMD.

16.9 Telex, Facsimile or Emailed Tenders will be rejected.

16.10 Offer / Tender / Bid shall be as per the “Instructions to Tenderers”, “General Conditions of Contract” and "Special Conditions of Contract" given in the Tender documents.

16.11 The Tenderer should avoid ambiguity in his Offer / Tender / Bid.

17. Deadline for submission of the Tenders

17.1 Tenders must be submitted online through Karnataka Public Procurement Portal (eProcurement Portal) on or before the date and time specified in the eProcurement Portal and in time submission of Tender is the responsibility of the Tenderer.

17.2 The Employer may, at their discretion, extend the deadline for submission of Tenders by issuing an amendment in accordance with ITT Clause 7, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will thereafter be subjected to the deadline as extended.

18. Late Tenders

18.1 In online e-Procurement Portal, the Tenderer shall not be able to submit the Tender after the last date and time for submission as the icon for the task in the e-Procurement Portal will be disabled.
Hardcopies received by BMRCL after the deadline for submission as mentioned in ITT clause 16.7 will be rejected.
Hard copies of those Tenders which have been uploaded in the e-Procurement Portal successfully only will be considered for evaluation.

19. Modification and Withdrawal of Tenders

19.1 Tenderer may notify and correct or upload any relevant document in the portal till Tender submission date and time as published in the e-Procurement Portal.

19.2 Tenderer may cancel/modify their bids online before the deadline for submission of bids.

19.3 No bid is allowed to be modified / cancelled online after the deadline for submission of bids.

19.4 Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in ITT Sub-clause 13.1 above or as extended pursuant to ITT Sub-clause 13.2 may result in the forfeiture of the Earnest money deposit pursuant to ITT Clause 14.8.

E. TENDER OPENING AND EVALUATION

20. Tender opening

20.1 Qualification Cum Technical Package:

20.1.1 **Opening of Qualification Cum Technical Package of all Tenderers:**

First, the Employer will open the EMD/Tender Security and verify the Tender Security/EMD.

Further, the Employer will open the 'Qualification Cum Technical Package' of the Tenders whose EMD has been found acceptable, through e-Procurement Portal at the time and date specified in the e-Procurement Portal. If Tender Security/EMDs are not in proper form, the 'Qualification Cum Technical Package' will not be opened for such Tenderer.

Interested Tenderers or their authorized representatives who choose to attend or may view the same on the portal on the scheduled date and time from their end. In the event of the specified date for Tender opening being declared a holiday by the Employer, the Tenders will be opened at the appointed time and location on the next working day.

20.1.2 The Tender will be examined for the following submittals:

i) Presence of valid Tender Security/EMD
ii) Presence of 'Qualification cum Technical Package' and all enclosures as per ITT clause 9.1 and,
iii) Submission of original documents as per ITT clause 9.2.

20.1.3 The Employer will evaluate and determine whether each Tender

(a) meets the eligibility criteria defined in ITT Clause 2;
(b) is accompanied by the required Earnest Money Deposit as per stipulations in ITT Clause 14; and
(c) meets the minimum qualification criteria stipulated in ITT Clause 3.

The Employer will draw out a list of qualified Tenderer.

20.1.4 The Employer shall prepare Minutes of the Tender opening, including the information disclosed to those present.

20.1.5 If any Tender contains any deviation from the Tender documents and /or if the same does not contain Tender Security in the manner prescribed in the Tender documents, then that Tender is liable for rejection. Incomplete Tenders in respect of above would be rejected.

Tenderers, whose 'Qualification cum Technical Package' are found acceptable after evaluation, would be informed of the date and time of opening of 'Financial Package' through e-Procurement Portal.

20.2 **Financial Package**

20.2.1 Opening of Financial Package of Qualified Tenderers:

The Financial Package of the Tenderers, whose 'Qualification cum Technical package' were found acceptable, will be opened in the presence of those Tenderers of their representatives, who choose to be present and also can view the opening on e-Procurement portal from their end. In the event of the specified date for Financial Package opening being declared a holiday by the Employer, the Tenders will be opened at the appointed time on the next working day.

20.2.2 Any modifications of the Price Bid shall be in the e-Procurement Portal itself.

20.2.3 The Tenderers names, the Tender prices, the total amount of each Tender, any discounts, Tender modifications and withdrawals, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening. No Tender shall be rejected at Tender opening.

20.2.4 The Employer shall prepare Minutes of the Price Bid Tender opening, including the information disclosed to those present in accordance with ITT Sub-clause 20.2.3.

Further, it is to be noted that mere announcement of the Tender prices, Total amount quoted by the Tenderers shall not be construed as Final until and unless the Employer declares the successful Tenderer taking into account the Cl. 22, 23, 24 and 25 below.

20.2.5 Conditional Tenders are not acceptable and will be summarily rejected.

21. Process to be confidential

i) Information relating to the examination, clarification, evaluation and comparison of Tenders, and recommendations for the award of a contract, shall not be disclosed to Tenderers or any other person not officially concerned with such a process until the award to the successful Tenderer has been announced.

ii) From the time of Tender opening to the time of Contract award, no Tenderer shall contact the Procuring Entity on any matter related to the Tender, except on request and prior written permission.

iii) Any effort by the Tenderer to influence the Procuring Entity in Tender evaluation, Tender comparison or Contract award decisions will vitiate the process and will result in the rejection of the Tenderer's offer.

22. Clarification of Tender submittals

22.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including break up of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with ITT Sub-clause 24.

22.2 Subject to ITT sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time of the Contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

22.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or Contract award decisions may result in the rejection of the Tenderer's Tender.

23. Examination of Tenders and determination of responsiveness

23.1 The Employer will examine the Tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the Tenders are generally in order.

The Employer may waive any minor informality or non-conformity or irregularity in a Tender which does not constitute a material deviation, provided such a waiver does not prejudice or affect the relative ranking of any Tenderer.

23.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tender.

23.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

24. Correction of errors

24.1 Tenders determined to be substantially responsive will be checked by the Employer for any arithmetic errors will be corrected by the Employer as follows:

(a) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer there is an obvious gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

(b) If there is an error in a total corresponding to the addition or subtraction of sub-totals, the sub-totals shall prevail and the total shall be corrected; and

(c) where there is a discrepancy between the rates in figures and in words, the **words will govern**; and

24.2 The amount stated in the Tender will be adjusted by the Employer in accordance with the above procedure for the correction of errors and shall be considered as binding upon the Tenderer. If the Tenderer does not accept the corrected amount the Tender will be rejected, and the Earnest money deposit may be forfeited in accordance with ITT Sub-Clause 14.8.

25. Evaluation and comparison of Tenders

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with ITT Clause 23. No Tender will be considered if complete requirements covered in the Schedule is not included in the Tender.

25.2 In evaluating the Tenders, the Employer will determine for each Tender the evaluated Tender Price by adjusting the Tender Price as follows:

(a) Making any correction for errors pursuant to ITT Sub-clause 24; and

(b) Making appropriate adjustments to reflect discounts or other price modifications offered.

25.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

25.4 The Tenders received will be evaluated by the Employer to ascertain the lowest acceptable Tender in the interest of the Employer, as specified in the specification & Scope of Work and Tender documents. Evaluation criteria not mentioned herein but mentioned specifically in the technical specifications will be taken into consideration in the evaluation of offer.

25.5 The estimated effect of the price adjustment conditions, under relevant Clause of the General Conditions of Contract, during the implementation of the Contract, will not be taken into account in Tender Evaluation.

25.6 If the Tender of the successful Tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the Contract, the Employer may require the Tenderer to produce detailed price analysis for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the methods and schedule proposed. After evaluation of the price analysis, the Employer may require that the amount of the Performance Security set forth in ITT Clause 30 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful Tenderer under the Contract, subject to conditions as specified in Special Conditions of Contract.

F. AWARD OF CONTRACT

26. Award criteria

26.1 Subject to ITT Clause 28, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be

(a) Eligible in accordance with the provisions of ITT Clause 2, and

(b) Qualified in accordance with the provisions of ITT Clause 3.

27. Employer's right to vary Quantities during the Contract

27.1 The Employer reserves the right during the pendency of Contract to increase or decrease the quantity of the items originally specified in the Bill of Quantity without any change in unit price or other terms and conditions as defined in GCC Clause 34 and the respective Special Conditions of Contract.

28. Employer's right to accept any Tender and to reject any or all Tenders

28.1 Notwithstanding ITT Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

28.2 BMRCL reserves the right to accept the Tender in part or full which is monetarily beneficial to BMRCL. BMRCL's decision in this regard shall be final and binding.

29. Notification of award and signing of Agreement

29.1 The Tenderer whose Tender has been accepted will be notified of the Award by the Employer prior to expiration of the Tender validity period by cable, email, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the General Conditions of Contract called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

29.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of a performance security in accordance with the provisions of ITT Clause 30.

29.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer within 30 days of issue of LOA, the successful Tenderer will be required to execute the Contract Agreement and deliver it to the Employer.

29.4 Upon the furnishing of the Security deposit by the successful Tenderer, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful and will discharge its Earnest Money Deposit, pursuant to ITT Clause 14.

29.5 The cost of stamp duties & similar charges imposed by law shall be borne by the Contractor.

30. Security deposit / Performance Security

30.1 Within 15 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer, a Security deposit in accordance with GCC Clause 25 and format given in **Proforma B of Section IX** for an amount as specified in 'Appendix to Form of Tender' (Section IV).

30.2 Failure of the successful Tenderer to comply with the requirements of ITT Sub-Clause 30.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

31. Corrupt or Fraudulent practices

31.1 The BMRCL requires that the Tenderers observe the highest standard of ethics during the procurement and execution of such Government financed Contracts. In pursuance of this policy, BMRCL:

(a) defines, for the purposes of this provision, the terms set forth as follows:

(i) "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in Contract execution; and

(ii) "Fraudulent practice" means any omission by misrepresentation of facts in order to influence a procurement process or the execution of a Contract to the detriment of BMRCL/Government and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive BMRCL of the benefits of free and open competition.

(b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the Contract in question;

(c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Government financed Contract, if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Government financed Contract.

31.2 Furthermore, Tenderers shall be aware of the provision stated in GCC sub-clause 46.2 and 47.2.

32. One Tender per Tenderer

Each Tenderer shall submit only one Tender. A Tenderer who submits or participates in more than one Tender (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderer's participation to be disqualified.

33. Site visit

The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the

Tender and entering into the proposed works. The cost of visiting the Site shall be at the Tenderer's own expense.

33.1 The Tenderers are requested to satisfy themselves regarding the availability of water, requirement of electricity, nature and location of work, the configuration of the ground, the type, quality and quantity of the materials, the type of equipment and facilities needed preliminary to and during the progress of the services. He should also assess the law-and-order situation, the general and local conditions, the labour conditions prevailing there in and all other matters which can in any way affect the services under Contract. The Tenderer will be fully responsible for the financial effect of any or all the above factors in his rates including also the factors like age of equipment's, types of contract, Working Environment, furniture, etc. installed in BMRCL campus. **No compensation will be given on account of ignorance of any of the factors during execution of the works.**

33.2 The Tenderer and any of his personnel or agents will be granted permission by the Employer to enter upon their premises and lands for the purpose of such inspection, but only upon the express condition that the Tenderer, his personnel and agents will release and indemnify the Employer their personnel and agents from and against all liabilities in respect thereof and will be responsible for personal injury (whether fatal or otherwise), loss of or damage to property and any other loss, damage, costs and expenses however caused which but for the exercise of such permission would not have arisen.

33.3 Before submitting a Tender, the Tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be countered during the execution of the works are taken into account and that the rates the Tenderer enters in the Tender forms are adequate and all-inclusive for the completion of work to the entire satisfaction of the Employer.

33.4 The Prospective Tenderer shall study proposed works nature during site visit. Any details regarding the same, if required, shall be notified to the employer pursuant to Clause 22 of ITT and the same will be furnished during Pre-Bid meeting/clarification and will be uploaded in the web portal.

33.5 While all efforts have been made to avoid errors in drafting the Tender documents & the Tenderer is advised to check the same carefully and seek clarification within the schedule period only. No claim on account of any errors detected in the Tender Document shall be entertained.

34. Sufficiency of Tender

(a) The Tenderer shall be entirely responsible for sufficiency of Prices quoted for the works.

(b) The Tenderer shall be paid for only at quoted/accepted Prices for the activities given in the Specifications/ Scope of work.

(c) The Tenderer shall be deemed to have satisfied himself before Tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Bill of Quantities which rates and prices shall except as otherwise provided, cover all his obligations under the Contract and everything necessary for the proper completion of the works.

(d) If required Tenderer shall obtain clearances from concerned local authorities at his cost. The Tenderer shall also co-ordinate with any other agency working in the same project, compare plans, specifications and the time schedules and so arrange his work that there will be no interference. BMRCL shall entertain no claim on this account.

(e) The cost of any item for which Tenderer has failed to enter rate shall be deemed to be covered by other rates entered in the Bill of Quantities.

G. PREFERENCE TO MAKE IN INDIA

35 Local Content & Purchase Preference

a. Local Content (LC):

Minimum "Local Content" (LC) shall be '**100%'.**

All Tenderers, shall certify in their Tender that the Local Content in their Tender is 100%.

A Tenderer who has been debarred by any procuring entity, for violation of any Procurement Preference Order/Policy, shall not be eligible to participate in this bid process during the period of the debarment.

b. **Verification of 'Local Content' (LC):**

The Tenderer shall submit following documents:

Self-certification, as per Proforma given in 'Annexure-5', that the item/s offered meets the minimum 'local content'. Absence of such certificate in their Tender submittals shall disqualify the Tenderer.

a) Tenderers shall note that the declaration regarding Local Content and its correctness shall be the sole responsibility of the Tenderer/Contractor. False declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a Tenderer or its successors can be debarred for up to two (2) years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

35.1 Not Applicable

36 Eligible Source Countries of the Tenderer

36.1 Any Tenderer, from a country which shares a land border with India, to which the Govt. of India has not extended lines of credit or in which the Govt. of India is not engaged in development projects, will be eligible to bid in this Tender only if the Tenderer is registered with the "Competent Authority".

['Competent Authority and Procedure for Registration' shall be as defined in Annexure-I of Order (Public Procurement No. 4) dated 23.02.2023 issued by Ministry of Finance, GoI].

Note:

a) Tenderers are advised to note the contents of Government of India Order No. P-45021/2/2017-PP (BE-II) dated 16.09.2020, issued by the 'Department for Promotion of Industry and Internal Trade' under the Ministry of Commerce and Industry regarding Public Procurement (Preference to make in India), with all its latest amendments as on the date of 'Notice Inviting Tender' for further clarification.

b) Tenderers are also advised to note the contents of Government of India Office Memorandum No. P-45021/102/2019-BE-II-Part (1) (E-50310) dated 04.03.2021 issued by the 'Department of Promotion of Industry and Internal Trade' under the Ministry of Commerce and Industry, regarding clarification on local content.

c) Tenderers are advised to note that the 'Local Content' is provided in this Tender as per the orders issued by respective Nodal Ministries as per Clause 14 of PP(PMI) Order dated 16.09.2020 and Ministry of Housing and Urban Affairs letter No K-14011/08/2017/MRTS-Coord Dated 14.10.2020.

d) Tenderers are advised to note and comply with the contents of Order (Public Procurement No. 4) dated 23.02.2023 issued by Procurement Policy Division, Department of Expenditure, Ministry of Finance, Govt. of India.

e) Tenderers are advised to note the contents of the contents of OM No. F.12/1/2021-PPD (Pt) dated.02-03-2021 and OM No. F.12/17/2019-PPD dtd.29-10-2020 issued by Dept of Expenditure, Ministry of Finance, GoI regarding exemption of Rule 144 (xi) and applicability of

Cl. 35 and 36, with respect to the subject Tender.

36.2 The successful Tenderer shall not be allowed to subcontract works to any Contractor from a country which shares a land border with India, to which the Govt. of India has not extended lines of credit or in which the Govt. of India is not engaged in development projects, unless such Contractor is registered with the “Competent Authority”.

36.3 In this regard, the Tenderer shall provide a certificate as per Proforma given in ‘**Annexure-6’**. If such certificate given by the Tenderer whose bid is accepted is found to be false, this would be a ground for immediate termination and further legal action in accordance with law.

SECTION-III

QUALIFICATION INFORMATION

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SECTION III: QUALIFICATION INFORMATION

1.0 The information to be filled in by the Tenderer hereunder will be used for purposes of Evaluation of Tenderer's Qualification as provided for in ITT Clause 3. This information will not be incorporated in the Contract.

1.1

Constitution or legal status of Tenderer	.....(Upload copy)
Agency in which Registered (with Registration No.)	……..(Upload Copy)
Principal place of business:	……

1.2

	Year	Total Value of works for the year (₹ Lakh)	Multiplication factor for updation value of work done to 2025-26	Total value of Works updated to 2023-24 (₹ Lakh)
Total value of works (*executed and payments received year wise in the last five years (in ₹ Lakhs)	2020-21		1.31	
	2021-22		1.23	
	2022-23		1.14	
	2023-24		1.07	
	2024-25		1.00	

***** Value of similar work as defined in ITT clause 3

1.3 Information on works which are yet to be completed and works for which Tenders have been submitted as on the date of this Tender.

(A) Existing commitments and on-going works:

Description of Work	Place &State	Contract No. & Date	Name and Address of Employer	Value of Contract (₹ Lakh)	Stipulated period of completion	Value of works remaining to be completed (₹ Lakh)	Anticipated date of completion
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

……..

(B) Works for which Tenders already submitted:

Description of Work	Place & State	Name and Address of Employer	Estimated value of works (₹ Lakh)	Stipulated period of completion	Date when decision is expected	Remarks if any
(1)	(2)	(3)	(4)	(5)	(6)	(7)

……..
……..

1.4 Name, address, and telephone, telex, and fax numbers of the Tenderers' Bankers who may provide references if contacted by the Employer.

……
……

1.5 Work performed as Prime Contractor (in the same name) on works of similar nature during the last five (05) years counted 28 days prior to the date of submission of the Tender (w.r.t. ITT clause 3.2).

Project Name	Name of Employer	Description of Work	Contract Number	Value of Contract ₹ Lakhs	Date of issue of Work order	Specified period of completion	Actual date of completion	Remarks explaining reasons for delay incompletion of work
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)

1.6 Reports on the financial standing of the Tenderer, such as Balance sheet, profit & loss statements and Auditor's reports for the last five (05) years (The CA Certified Annual Turnover certificate must be submitted following the format outlined in Additional Document-2 of Section X – Annexures).

	Requirement	Financial Year	Financial turnover for the year
(b)	Financial turnover in the last five years (in ₹ Lakhs)	2019-20	
		2020-21	
		2021-22	
		2022-23	
		2023-24	

1.7 Qualification and experience of the key Technical and Management personnel in permanent employment with the Tenderer and those that are proposed to be deployed on this Contract, if awarded.

1.8 The proposed methodology and program of works, supported by detailed equipment planning, deployment strategies, comprehensive calculations, and outlined Quality Control procedures, demonstrate the capability to execute and complete the project in accordance with the Technical Specifications and Scope of Work. This submission must be provided by the L1 Tenderer within 15 days of receiving the Letter of Award (LOA).

SECTION-IV

FORM OF TENDER

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SECTION IV
FORM OF TENDER

Tender No: BMRCL/2024-25/EL/WORK_INDENT67

Description of Work: Supply, Installation, Testing, and Commissioning (SITC) of LED Lights with 5-year Comprehensive Onsite Warranty for Phase-1 Metro Stations and Depots of BMRCL.

To:
The Dy. General Manager (E&M)
Bangalore Metro Rail Corporation Ltd (O&M Wing)
Baiyapanahalli Depot, Administrative Building,
Near NGEF Signal, Old Madras Road, Baiyapanahalli,
Bangalore- 560038, Karnataka, India.

Dear Sir / Madam,

Having examined and understood the Instructions to Tenderers, General Conditions of the Contract, Special Conditions of Contract, Technical Specifications and any other documents forming part of the Tender document issued under Tender Notification No. BMRCL/2024-25/EL/WORK_INDENT67 dated _____ including any addendum/amendments, the receipt of which is hereby duly acknowledged, I/We the undersigned, hereby submit/upload the fully completed Tender documents in duplicate, which includes the following for the said works;

b. Technical Bid: Qualification cum Technical Package
c. Financial Bid: Financial Package (Bill of Quantities)

I/We hereby agree to execute the Contract in conformity with the Specifications & Conditions of Contract enumerated in the Tender documents, for the sum stated & quoted in the Tender or such other sums as may be ascertained in accordance with the Bill of Quantities which are made part of the Financial Package.

This Tender and your written acceptance of it shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

We undertake that, in competing for (and, if the award is made to us, in executing) the above Contract, we will strictly observe the laws against fraud and corruption in force in India namely “Prevention of Corruption Act 1988”.

We hereby confirm that this Tender complies with the Tender validity and Earnest Money Deposit/ Tender Security required by the Tender documents.

We undertake, if our Tender is accepted, to execute the works in accordance with the Stipulated Completion Date specified in the ‘Appendix to Form of Tender’.

If our Tender is accepted, we will submit the Performance Security for a sum equivalent to **Ten (10) percent** of the Contract Price for the due performance of the Contract and supplementary Performance Security for a sum equivalent to **Three (03) percent** of the Contract Price towards warranty, in the form as prescribed in the Clause 25 of GCC.

We agree to abide by this Tender for the Tender validity period specified in Clause 13 of the ITT and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

We confirm that we comply with the eligibility requirements as per ITT Clause 2 and Clause 3 of the Tender documents.

Dated this ..... day of ..... 20.....

Yours faithfully,

_____
(Signature) (in the capacity of)

Duly authorized to sign Tender for and on behalf of
"……"
_____

(To be submitted duly printed, signed and stamped by the authorized signatory of the Tenderer on Tenderer's letter pad).
(To be digitally signed, using Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage issued by any Certifying Authority recognized by CCA India), by the authorized signatory of the Tenderer on Tenderer's letter pad).

Appendix to FORM OF TENDER

SALIENT FEATURES OF CONTRACTS (CONTRACT DATA)

1.	Employer's Name & Address	Office of the Dy. General Manager (E&M), Bangalore Metro Rail Corporation Limited Admin Building, Baiyappanahalli Metro Depot Near NGEF Signal, Old Madras Road Bangalore - 560038, Karnataka, India Ph No: 080-25191120 Email: mohanrajd_em@bmrc.co.in
2.	Validity of Tender (See Clause 13 of ITT)	**120 days** from the date of opening of Technical Bid
3.	Tender Security / Earnest Money Deposit (EMD) (See Clause 14 of ITT)	₹ 2,72,396.00 (Two Lakh Seventy-Two Thousand Three Hundred Ninety-Six Rupees) as defined in ITT clause 14 and shall have to be valid for 45 days beyond the validity of the Tender (i.e., 165 days from the date of Financial Bid opening).
4.	Contractor's Name & Address with telephone No and email.	…… *(To be filled in by the Tenderer)*
5.	The Work consists of	Supply, Installation, Testing, and Commissioning (SITC) of LED Lights with 5-year Comprehensive Onsite Warranty for Phase-1 Metro Stations and Depots of BMRCL.
6.	Start Date	The date of issue of 'Letter of Acceptance' (LOA)
7.	Contract period	02 Years
8.	The following documents also form part of the Contract. (See Clause 2.2 of GCC)	(1) Contract Agreement (2) Letter of Acceptance/ Notice to Proceed with the works (3) Instructions to Tenderers/ Bidders (4) General Conditions of Contract (5) Special Conditions of Contract (6) Form of Tender / Bid Form (7) Technical Specifications and Scope of work (8) Priced Bill of Quantities (9) Form of Tender (10) Contractor's Proposals (11) All correspondence between the Tenderer and BMRCL from the date of issue of NIT and the date of issue of LOA. (12) Any other document forming part of the Contract.
9.	The Site Data	All Phase-01 Metro Stations of BMRCL
10.	Amount of **Performance Security** (See GCC Clause 25)	a. <u>Execution of the Contract</u> **Ten (10) percent of the Total Contract Value in INR.** In the event of variations during the execution of the Contract which result in payments to the Contractor over and above the original Contract Price the Performance Security shall be suitably adjusted at every six (06) month at the request of the Employer. The Performance Security shall be in the form of **Demand Draft / Pay Order / Banker's cheque / Bank Guarantee** shall be drawn on and **payable and extendable at a designated branch in Bangalore. The validity of Performance security shall be six (06) months beyond expiry of Completion period of 02 years.** b. <u>Warranty period of five (05) years</u>

		Three (03) percent of the Total Contract Value in INR. The Performance Security shall be in the form of **Demand Draft / Pay Order / Banker's cheque / Bank Guarantee** shall be drawn on and **payable and extendable at a designated branch in Bangalore.** The validity shall be for Six (06) months beyond expiry of Warranty period of five (05) years. The PBG towards (a) above shall be returned only on submission of the supplementary PBG at (b) above.
11.	Penalty (See Clause GCC 38)	▪ ₹ 5,000/- (Rupees Five Thousand only) per day of delay will be charged if the Contractor fails to supply the BOQ items in accordance with the supply terms and conditions outlined in the GCC Clause 53. ▪ ₹ 2,000/- (Rupees Two Thousand only) per day of delay will be charged if the Contractor fails to attend to the Scheduled installation, testing and commissioning of LED lights within 24 hours of receiving the intimation via telephone or email. ▪ ₹ 2,000/- (Rupees Two Thousand only) per day of delay will be charged if the Contractor/OEM of the supplied LED lights fails to attend to the repair or replacement of LED lights under warranty within 48 hours of receiving the intimation via telephone or email. The maximum amount of penalty for the whole of the works is ten (10) percent of final Contract price.
12.	Program (see GCC Clause 21 of GCC)	Work/Item delivery Program shall be submitted within 15 days of issue of LOA or earlier as required by the Employer.
13.	DLP/Warranty (GCC clause 50)	The warranty period shall be 5 years, onsite and comprehensive, for the complete LED lighting luminaires from the date of supply. The Contractor/Bidder shall provide a 5-year free replacement warranty certificate for each item from the OEM of the supplied lights along with ongoing service support to the users.
14.	Payment upon Termination – **Computation of additional cost to the Employer** (GCC Clause 47)	The percentage to apply to the value of the work not completed representing the Employer's additional cost for completing the Works shall be thirty (30) percent.
15.	Liquidated Damages (See Clause 40 of GCC)	The liquidated damages for the whole of the works are 0.1% of the Contract price per day. The maximum amount of liquidated damages for the whole of works is Ten percent (10%) of final Contract price.
16.	**Insurance** (GCC Clause 26)	**Sl. No.** / **Type of Cover** / **Minimum cover for Insurance** (i) Works and of Plant and materials — The Sum stated in the Agreement plus 20% (ii) Loss or damage to equipment — Full replacement cost (iii) Loss or damage to property — Full replacement cost (iv) Personal injury or death Insurance (a) For Third Party — In accordance with the statutory requirements applicable to Karnataka.

			(b) For Contractor's Employees or labour.	In accordance with the statutory requirements applicable to Karnataka

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SECTION-V

GENERAL CONDITIONS OF CONTRACT (GCC)

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SECTION V: GENERAL CONDITIONS OF CONTRACT (GCC)

Table of Clauses

A. GENERAL 49

1 DEFINITIONS 49
2 INTERPRETATION 50
3 LAW GOVERNING CONTRACT. 51
4 EMPLOYER'S DECISIONS 51
5 DELEGATION 51
6 COMMUNICATIONS 51
7 SUBCONTRACTING 51
8 OTHER CONTRACTORS 51
9 PERSONNEL 51
10 EMPLOYER'S AND CONTRACTOR'S RISKS 51
11 EMPLOYER'S RISKS 51
12 CONTRACTOR'S RISKS 52
13 NOT USED 52
14 CONTRACTOR TO EXECUTE THE WORKS. 52
15 COMPLETION OF WORKS 52
16 SAFETY AND SECURITY MEASURES 52
17 DISCOVERIES 52
18 POSSESSION OF THE SITE 53
19 ACCESS TO THE SITE 53
20 INSTRUCTIONS 53

B. TIME CONTROL 53

21 PROGRAM 53
22 EXTENSION OF THE TIME FOR COMPLETION 53
23 DELAYS ORDERED BY THE EMPLOYER. 53
24 MANAGEMENT MEETINGS 53
25 PERFORMANCE SECURITY / SECURITY DEPOSIT 54
26 INSURANCE 55

C. QUALITY CONTROL 55

27 IDENTIFYING DEFECTS 55
28 TESTS 55
29 CORRECTION OF DEFECTS 56
30 UNCORRECTED DEFECTS 56
31 INSPECTIONS AND TESTS 56
32 ACCEPTANCE CERTIFICATES: 56

D. COST CONTROL 56

33 BILL OF QUANTITIES (BOQ) 56
34 VARIATIONS 56
35 PAYMENTS FOR VARIATIONS 57
36 SUBMISSION OF BILLS FOR PAYMENT 57
37 PAYMENTS 57
38 PENALTY 57
39 TAXES 58
40 LIQUIDATED DAMAGES 58

41 COST OF REPAIRS 58

E. FINISHING THE CONTRACT 58

42 COMPLETION 58
43 NOT USED 58
44 NOT USED 58
45 NOT USED 58
46 TERMINATION 58
47 PAYMENT UPON TERMINATION 60
48 PROPERTY 60
49 RELEASE FROM PERFORMANCE 60

F. OTHERS 61

50 WARRANTY/DLP
51 FORCE MAJEURE 61
52 SETTLEMENT OF DISPUTES 61
53 SUPPLY TERMS 61
54 LIMITATION OF LIABILITY 61
55 GOVERNING LANGUAGE 61
56 THE COURTS OF JURISDICTION 61
57 NOTICES 61
58 USE OF CONTRACT DOCUMENTS AND INFORMATION; INSPECTION AND AUDIT BY THE GOVERNMENT 62
59 SITE INVESTIGATION REPORTS 62
60 INDEMNITY CLAUSE: 63
61 ADVANCES 64
62 PRICE VARIATION CLAUSE 64

SECTION-V

GENERAL CONDITIONS OF CONTRACT

A. General

1. Definitions

1.1 Terms which are defined in the 'Appendix to Form of Tender' are not also defined in the General Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

a) **Bill of Quantities** means the Priced and completed Bill of Quantities forming part of the Tender.

b) The **"Completion Date"** is the date of completion of the whole of the Works certified by the **Employer** in accordance with Sub Clause 42.1 of GCC.

c) The **Contract** is the Contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.2 of GCC.

d) The **Contractor** is a person or corporate body who's Tender to carry out the Works has been accepted by the Employer. It means the person, firm or company with whom the order of the Works is placed and shall be deemed to include the Contractor's successors (approved by the Employer), representatives, heirs, executors and administrators, as the case may be unless excluded by the terms of the Contract.

e) The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.

f) The **Contract Value** means the price payable to the Contractor under the Contract for the full and proper performance of its Contractual obligations.

g) **Days** are calendar days; **months** are calendar months.

h) A **Defect** is any part of the Works not completed in accordance with the Contract.

i) "**Defects Liability Period"** is the period mentioned in the 'Appendix to Form of Tender' and calculated from the Completion Date in accordance with Clause 50 of GCC.

j) **"Drawing"** means the drawing or drawings specified in or annexed to the specification;

k) The **"Employer"** or **"BMRCL"** means the Bangalore Metro Rail Corporation Limited or the person named as such in the Tender document and includes the legal successors or permitted assigns of the Employer,

l) **"Engineer"** means any person/party nominated or appointed from time to time by the Employer to act as the Engineer for the purposes of the Contract and notified as such in writing to the Contractor.

m) **"Engineer's representative"** means any person nominated by Engineer with the approval of the Employer who shall exercise the authority of the Engineer to the extent notified by the Engineer.

n) **Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to execute the Works.

o) **"Letter of Acceptance"** means the Letter or Memorandum communicating to the Successful Tenderer the acceptance of his Tender and includes other communication modes included in the Instructions to Tenderer.

p) **Materials** are all supplies, including consumables, used by the Contractor for incorporation in the Works.

q) **Plant** is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.

r) The **Project Site** or "**Site**" means the place specified in the Contract at which any work is required to be executed by the Contractor under the Contract or any other place approved by the Employer for the purpose.

s) **'Appendix to Form of Tender'** is the Salient Features of Contract that defines the documents and other information which comprise the Contract.

t) "**Signed**" includes stamped, except in the case of acceptance of Tender or any amendment thereof;

u) **Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.

v) The **Start Date** shall be the date of issue of 'Letter of Acceptance' (LOA) or the date specified in the 'Notice to Proceed', as the case may be.

w) "The **"Stipulated Completion Date**" is the date on which it is intended that the Contractor shall complete the Works. The Stipulated Completion Date is specified in the 'Appendix to Form of Tender'. The Stipulated Completion Date may be revised only by the Employer by issuing an extension of time.

x) A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.

y) A **Variation** is an instruction given by the Employer which varies the Works.

z) "**Inspecting Officer**" means any person appointed from time to time by BMRCL and notified as such in writing to the Contractor and includes his authorized representatives/ assistants.

aa) "**Local Content**" means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

bb) "**L1**" means the lowest Tender received in this Tendering process as adjudged in the evaluation process as per the Tender.

cc) Not Used

dd) "**Nodal Ministry**" means the Ministry or Department identified pursuant to this Tender in respect of a particular item of goods or services or works.

ee) "**Procuring entity**" means "the Employer" or BMRCL, i.e. Bangalore Metro Rail Corporation Ltd.

2 Interpretation

2.1 In interpreting these General & Special Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. "Tender" / "Tendering" / "Tenderer" shall also mean "Bid" / "Bidding" / "Bidder". 'Offer' also means Tender/Bid.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(a) Contract Agreement

(b) Letter of Acceptance

(c) Priced Bill of quantities

(d) Technical Specifications and Scope of Work

(e) Special Conditions of Contract

(f) General Conditions of Contract

(g) Contractor's Proposal and

(h) Any other document listed as forming part of the Contract.

3 Law governing Contract.

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4 Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide Contractual matters between the Employer and the Contractor.

5 Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6 Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7 Subcontracting

7.1 Not used.

8 Other Contractors

8.1 The Contractor shall cooperate and share the Site with other Contractors, public authorities, utilities, and the Employer.

9 Personnel

9.1 The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

9.2 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by BMRCL from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.3 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

9.4 Not Applicable.

9.5 The Contractor shall ensure that the persons deployed are well trained and well qualified for the assigned task and will take necessary instructions from the Engineering Department of BMRCL. The Contractor shall ensure compliance of all statutory provisions and labour laws

9.6 The Contractor will have to engage sufficient and well-trained staff on site to ensure proper Scheduled works

9.7 Compliance with Labour Regulations

9.7.1 The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

10 Employer's and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11 Employer's risks

11.1 The Employer is responsible for the excepted risks which are:

(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Subcontractors arising from the conduct of the Works; or
(b) a cause due solely to the design of the Works, other than the Contractor's design; or
(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced Contractor:
  (i) could not have reasonably foreseen; or
  (ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;
    (A) prevent loss or damage to physical property from occurring by taking appropriate measures or
    (B) insure against such loss or damage."

12 Contractor's risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13 Not used

14 Contractor to execute the Works

14.1 The Contractor shall execute the whole and every part of the work in the most professional and workman like manner both as regards materials and otherwise in every respect in strict accordance with the agreement, site requirements & instructions of the Engineer. The Contractor shall comply with the provisions of the Contract and with the care and diligence & execute and maintain the installations and provide all labour and materials, tools and plants in so far as necessary for providing these or as inferred from the Contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of woks. Contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of Woks.

14.2 The Contractor shall execute the Works in accordance with the Scope of Work.

14.3 The Contractor shall supply the spare parts and materials which are found defective during the Contract period without any extra cost.

15 Completion of Works

15.1 The Contractor may commence execution of the Works on the Start Date and complete them by the Stipulated Completion Date. The Contractor shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer.

15.2 After expiry of contract, the Contractor shall hand over to BMRCL all the equipment's in good working condition as they are being taking over at the time of starting of works.

16 Safety and Security Measures

16.1 The Contractor shall be responsible for the safety of all activities on site during the work.

16.2 It shall be the entire responsibility of the Contractor to adopt all the safety measures & deploy only those personnel during installation of the equipment's under this works, who are adequately trained in safety. If any accident occurs due to wrong operations during works or due to negligence on the part of the Contractor's personnel, it shall be the full responsibility of the Contractor. In case by the negligent act of the Contractors or officials of Contractor, if there is loss / damage to BMRCL property, the Contractor will be solely responsible. BMRCL reserves the right to recover such amount along with damage from the bills of Contractor or through legal proceedings. Employer's decision in this regard will be final and binding.

16.3 Security arrangements for the work shall be in accordance with general requirements and the Contractor shall confirm to such requirements and shall be held responsible for the action or inaction on the part of his staff, employees.

16.4 The Contractor's employees and representatives shall wear safety/protection wear as required at site.

17 Discoveries

Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

18 Possession of the Site

18.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract, the reasonable extension of time may be given. However, no monetary claims whatsoever shall be paid to the Contractor or entertained on this account.

19 Access to the Site

19.1 The Contractor shall grant the Employer, or any person authorized by the Employer, access to the work site, any location where work related to the Contract is being or will be performed, and any place where materials are being manufactured, fabricated, or assembled for the works (if applicable to the scope of the Contract.

20 Instructions

20.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the work site is located.

20.2 BMRCL shall have the right to make Minor Alterations/Additions/Substitutions in the specifications or in the Scope of Work or issue instructions that may be deemed necessary during the period of the Contract and Contractor shall carry out the work in accordance with the instructions which may be given to him by BMRCL's representative.

B. Time Control

21 Program

21.1 Within the time stated in the 'Appendix to Form of Tender', the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the contract within 15 days from the date of issue of LOA or earlier as required by the Employer.

21.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations.

22 Extension of the Time for Completion

22.1 The Employer shall extend the stipulated completion date of the works, if a Variation is issued and which makes it impossible for completion to be achieved by the contract period.

22.1 The Employer shall decide whether and by how much to extend the completion date within 21 days of the contractor asking Employer for a decision upon the effect of a Variation and submitting full supporting information.

23 Delays ordered by the Employer.

23.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works. However, no monetary claims whatsoever shall be paid to the Contractor or entertained on this account.

24 Management meetings

24.1 The Employer may require the Contractor to attend a Management meeting. The business of a Management meeting shall be to review the progress achieved and the plans for remaining work.

24.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the Management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

25 Performance Security / Security Deposit

25.1 Within 15 days of receipt of notification communicated by the Employer by issue of" Letter of Acceptance", the Contractor shall furnish a Performance Security for an amount as specified in **Appendix to Form of Tender (Section IV)** in one of the following forms:

(a) A crossed Demand Draft / Pay Order / Banker's cheque in favor of the "**Bangalore Metro Rail Corporation Ltd**," from an Indian Scheduled Bank (excluding Cooperative Banks) or from a Scheduled Foreign Bank

(b) as defined in Section 2(e) of RBI Act 1934 read with Second Schedule, **payable at Bangalore**.

or

(c) An irrevocable Bank Guarantee issued from an Indian Scheduled Bank (excluding Cooperative Banks) or from a Scheduled Foreign Bank as defined in Section 2(e) of RBI Act 1934 read with Second Schedule drawn on and **payable and extendable at a designated branch in Bangalore** in the Form given in **Proforma B of Section IX** to the Tender documents. However, 'Performance Security' Bank Guarantee format is also available in http://tender.bmrc.co.in:90. In case furnishing of an acceptable Performance Security is delayed by the Contractor beyond the period provided in this clause, the Employer may forfeit the Earnest Money Deposit / Tender Security.

25.2 The Performance Security shall be valid up to six (06) months beyond the Entire Work. The Performance Security will be returned within six (06) months after satisfactory completion of works.

25.3 The Employer shall be entitled and it shall be lawful on his part to forfeit the amount of the Performance Security in whole or in part in the event of any default, failure or neglect on the part of the Contractor in the fulfillment or performance in all respects of the Contract under reference or any other Contract with the Employer.

The Employer shall also be entitled to deduct from the amount of the Performance Security any loss or damage which the Employer may suffer or be put by reason of or due to any act or other default, recoverable by the Employer from the Contractor in respect of the Contract under reference or any other Contract.

On occurrence of either of the aforesaid events, the Employer shall call upon the Contractor to maintain the amount of the Performance Security as its original limit by furnishing fresh Bank Guarantee of additional amount, provided further that the Employer shall be entitled to recover any such claim from any sum then due or which at any time thereafter may become due to the Contractor under this or any other Contracts with the Employer.

25.4 The Performance Security shall remain in full force and effect from the date of commencement of Contract up to 6 (six) months beyond the stipulated completion Period. This shall be suitably extended by the Contractor if all Contractual Obligations are not completed by the Contractor. Before the expiry of the date of validity of the Performance Security, the Contractor on being called upon by the Employer from time to time shall obtain from the Guarantee Bank, extension of time for validity thereof for a period of six months, on each occasion. The extension or extensions aforesaid, executed on non-judicial stamp paper of appropriate value must reach the Employer at least thirty days before the date of expiry of the Performance Security on each occasion.

25.5 As and when an amendment is issued to the Contract, the Contractor shall, within 15 days of the receipt of such an Amendment furnish to the Employer an amendment to the Performance Security rendering the same valid for the Contract as amended and up to 6 months beyond amended Contract period. All expenses of this shall be borne by the Contractor.

25.6 The Performance Security and or any amendment thereto shall be executed on a non judicial stamp paper of requisite money value in accordance with the laws of the country in which the same is/are executed by the party competent to do so.

25.7 If the Contractor, having been called upon by the Employer to furnish Performance Security fails to furnish the same, it shall be lawful for the Employer:

(i) to recover from the Contractor, the amount of Performance Security by deducting the amount from the pending bills of the Contractor under any Contract with the Employer or the government or any other person Contracting through the Employer or otherwise however,

OR

(ii) to cancel the Contract or any part thereof and to execute or authorize to execution of the Works at the risk and cost of the Contractor and in that event the provisions of Clause 47 & 48 shall apply as far as applicable.

26 Insurance

26.1 The Contractor shall prior to commencing the works, effect and thereafter maintain insurances, in the joint names of the Employer and the Contractor, (cover from the first working day after the Start Date to the end of Contract Period), as stated in the 'Appendix to Form of Tender':

1. For loss of or damage to the Works, Plants and Materials and the Contractor's equipment.
2. For liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and
3. For liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

26.2 Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and used for the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

26.3 If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub- clauses or fails to provide satisfactory evidence, Policies or receipts, the Employer may without prejudice to any other right or remedy, effect Insurance for the cover relevant to such

default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payment is due, the payment of the premiums shall be a debt due.

26.4 Alterations to the terms of Insurance shall not be made without the approval of the Employer.

26.5 Both Parties shall comply with any conditions of the insurance policies.

C. Quality Control

27 Identifying defects

27.1 The Employer shall check the Contractor's work or in the course of the contract and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect.

28 Tests

28.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it has a defect, the Contractor shall pay for the test and any samples. If there is no defect, the testing charges shall be borne by the Employer.

29 Correction of Defects

29.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the 'Appendix to Form of Tender'. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

29.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

30 Uncorrected defects

30.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount or will be recovered from any monies due to the Contractor from the Employer including Performance Security.

31 Inspections and Tests

31.1 The Employer or its representative shall have the right to inspect and/or to test the materials or works of the contract to confirm their conformity to the Contract specifications at no extra cost to the Employer. Special Conditions of Contract and the Technical Specifications/ Scope of Work shall specify what inspections and tests the Employer requires and where they are to be conducted. The Employer shall notify the Contractor in writing in a timely manner of the identity of any representatives retained for these purposes.

31.2 Should any inspected or tested materials fail to conform to the specifications, the Employer may reject the materials or Works and the Contractor shall replace the material either replace the rejected materials or make alterations /rectifications necessary to meet specification requirements free of cost to the Employer.

31.3 The Employer's right to inspect test and, where necessary, reject the materials or Works at Project Site shall in no way be limited or waived by reason of the materials or Works having previously been inspected, tested and passed by the Employer or its representative prior to the dispatch of the materials.

31.4 Nothing in GCC Clause 31 shall in any way release the Contractor from any warranty or other obligations under this Contract.

32 Acceptance Certificates:

On successful completion of acceptability test, receipt of deliverables etc., and after the Employer is satisfied with the completion of the Works, the Acceptance Certificate signed by the Contractor and the representative of the Employer will be issued. The date on which such certificate is signed shall be deemed to be the date of successful acceptance of the Works.

D. Cost Control

33 Bill of Quantities (BOQ)

33.1 The BOQ shall contain items for the works to be carried out by the Contractor.

33.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item.

34 Variations

34.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him.

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ).

(b) Omit any item of work.

(c) Change the character or quality or kind of any item of work.

(d) Change the levels, lines, positions and dimensions of any part of the work.

(e) Execute additional items of work of any kind necessary for the completion of the works; and

(f) Change in any specified sequence, methods or timing of contract of any part of the work.

34.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the Contract.

34.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

34.4 The Contractor shall not make any alteration and/or modification of the Works, unless and until the Engineer instructs or gives consent to a Variation. If the contract activities are not in accordance with the Contract, these activities shall not constitute a Variation.

35 Payments for Variations

35.1 Payment for increase in the quantities of an item in the BOQ up to ± 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

35.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the contractor shall be paid at the rate entered in or derived from the schedule of rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current schedule of rates prevalent at the time of award of contract.

35.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible, the payment would be made at the derived rate for the item plus or minus the overall Percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1, 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

35.5 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause. If any disputes, that may be settled in the manner laid down under GCC clause 51 and respective Special Conditions of Contract

36 Submission of Bills for Payment

36.1 The Contractor shall submit to the Employer, the bills of the value of the works completed.

36.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of

(i) Value of the quantities of the items in the BOQ completed and

(ii) Valuation of Variations.

36.3 Not Used.

37 Payments

37.1 The payments shall be made as per the following terms and conditions:

1st Year Supply Schedule.		
Sl No	**Description**	**Payment Terms**
01	1st year 50% LED light fixtures shall be supplied of the total quantity in each type as specified in the BOQ. (First year supply shall be made within one month from the date of issue of LOA).	The 80% shall be paid against initial supply on producing the valid documents like test certificates, OEM warranty certificate etc, and certified by BMRCL engineer/officer. The balance 20% shall be paid against supply on successful completion of installation, testing & commissioning work.
2nd Year Supply Schedule.		
02	2nd year balance 50% LED light fixtures shall be supplied of each type as specified in the BOQ. (Second year supply shall be made in 13th month from the date of issue of LOA)	The 80% shall be paid against initial supply on producing the valid documents like test certificates, OEM warranty certificate etc, and certified by BMRCL engineer/officer. The balance 20% shall be paid against supply on successful completion of installation, testing & commissioning work.
Installation, Testing and Commissioning scheduled over a two-year (02) period.		
03	Installation, Testing and Commissioning of new fixture and dismantling of old fixture as directed by the Engineer in charge.	Installation charges shall be paid 100% on completion of the works duly certified by the BMRCL engineer/officer. Payment shall be made on quarterly basis.

37.2 The payment for the works will be released upon completion of the work and confirmation of satisfactory performance, accompanied by a summary of the Joint inspection & Handing Over

Certificate, including the bill of materials and confirmation of successful commissioning, duly countersigned by the BMRCL Engineer/officer.

Labour cess at 1% (One Percent) shall be deducted from the bills towards BOCW (Building and Other Construction workers welfare).

The Employer shall pay the Contractor within 60 days of submission of complete and valid Bill without any deficiency. The Contractor shall be liable to pay liquidated damages for shortfall in progress.

37.3 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

38 Penalty

38.1 Penalty for non-completion of work or poor quality of work i.e., improper supervision, short deployment of manpower/equipment's/machines/plants and use of inferior quality of materials etc. will be levied. The Contractor shall complete the work within the prescribed time, failing of which, penalty will be imposed as stated in 'Appendix to Form of Tender' (Section-IV). The decision regarding Penalty & Imposing Penalty shall be of BMRCL.

38.2 This penalty shall not relieve the Contractor from his obligation to carry out the works or from any other of his obligations and liabilities under the Contract.

39 Taxes and Duties

The Contract Price quoted by the Contractor shall be in accordance with the Special Conditions of the Contract and the Employer will perform such duties in regard to the deduction of taxes at source as per applicable law.

40 Liquidated damages

40.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the 'Appendix to Form of Tender' for each day that the Completion Date is later than the Stipulated Completion Date (for the whole of the Works or the milestone as stated in the 'Appendix to Form of Tender'). The total amount of liquidated damages shall not exceed the amount defined in the 'Appendix to Form of Tender'. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

40.2 If the Stipulated Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

41 Cost of repairs

Loss or damage to the Employer assets be incorporated in the Start date and the end date shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

42 Completion

42.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

43 Taking over

43.1 Employer shall take over the Site and the Works within seven days of issuing a Certificate of completion**.**

44 Not used

45 Not Used

46 Termination

46.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

46.2 Fundamental breaches of Contract include, but shall not be limited to the following:

a. The Contractor stops work for 7 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer.

b. The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation.

c. The Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within 7 days of receipt of notice of failure from BMRCL or within such further time period as BMRCL may have subsequently approved in writing.

d. The Contractor does not maintain safety and security which is required.

e. The Contractor has delayed the completion of works by the number of days for which the maximum amount of penalty can be paid as defined in the 'Appendix to Form of Tender'; and

f. If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.

For the purpose of this paragraph:

(i) "Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

(ii) "Fraudulent practice" means any omission or misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the BMRCL, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the BMRCL of the benefits of free and open competition."

g. If the Contractor assigns, transfers, sublets (engagement of labour on a piece work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Employer.

46.3 When the Contractor has made himself liable for action under any of the cases aforesaid, the Employer shall have powers:

(a) To determine or rescind the Contract as aforesaid (of which termination or rescission notice in writing to the Contractor under the hand of the Employer shall be conclusive evidence). Upon such determination or rescission, the Earnest Money Deposit and/or full security deposit recoverable under the Contract shall be liable to be forfeited and shall be absolutely at the disposal of BMRCL. If any portion of the Security Deposit has not been paid or received it would be called for and forfeited.

(b) To employ labour paid by Employer and to supply materials to carry out the work or any part of the work debiting the Contractor with the cost of the labour and the price of the

materials (of the amount of which cost and price certified by the Employer shall be final and conclusive) against the Contractor and crediting him with the value of the work done in all respects in the same manner and at the same rates as if it has been carried out by the Contractor under the terms of his Contract. The Certificate of the Employer as to the value of the work done shall be final and conclusive against the Contractor provided always that action under the sub clause should only be taken after giving notice in writing to the Contractor. Provided also that if the expenses incurred by the Employer are less than the amount payable to the Contractor at his agreement rates, the difference shall not be paid to the Contractor.

(c) After giving notice to the Contractor to measure up the work of the Contractor and to take such whole, or the balance or part there of as shall be unexecuted out of his hands and to give it to another Contractor to complete in which case any expenses which may be incurred in excess of the sum which would have been paid to the original Contractor if the whole work had been executed by him (of the amount of which excess the certificate in writing of the Employer shall be final and conclusive) shall be borne and paid by the original Contractor and may be deducted from any money due to him by the Employer under his Contract or on any other account what so ever or from his security deposit or the proceeds of sales there of or a sufficient part thereof as the case may be. If the expenses incurred by the Employer are less than the amount payable to the Contractor at his agreement rates, the difference shall not be paid to the Contractor.

(d) Any excess expenditure incurred or to be incurred by the Employer in executing the works or part of the works or the excess loss or damages suffered or any may be suffered by the Employer as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to the Employer in law be recovered from any moneys due to the contractor on any account and if such moneys are not sufficient, the Contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

(e) If the Contractor shall fail to pay the required sum within the aforesaid period of 30 days the Employer shall have the right to sell any or all of the Contractor's unused materials etc. and apply the proceeds of sale thereof towards the satisfaction of any sums due from the Contractor under the Contract and if there after there be any balance outstanding from the Contractor it shall be recovered in accordance with the provision of the Contract.

46.4 In the event of any one or more of the above courses being adopted by the Employer the Contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of Contract, and in case action is taken under any of the provision afore said, the Contractor shall not be entitled to recover or be paid any sum for any work thereof, or actually performed under this Contract unless and until the Employer has certified in writing the performance of such work and the value to be paid as certified.

46.5 Provided further that if any of the recoveries to be made, while taking action as per 46.3(b) and/or 46.3(c) above, are in excess of the security deposit forfeited, these shall be limited to the amount by which the excess cost incurred by the Employer exceeds the Security Deposits forfeited.

46.6 When either party to the Contract gives notice of a breach of Contract to the Employer for a cause other than those listed under Sub Clause 46.2 above, the Employer shall decide whether the breach is fundamental or not.

46.7 If any information furnished by the Contractor is found to be incorrect at any time, the Contract is liable to be terminated for with and the security deposit is liable to be forfeited by the Employer.

46.8 Notwithstanding the above, the Employer may terminate the Contract for convenience. No Compensation whatsoever will be admissible on this account.

46.9 If the Contract is terminated, the Contractor shall stop the work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

47 Payment upon Termination

47.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the Contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the 'Appendix to Form of Tender'. Additional penalty shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.

47.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the Contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

48 Property

48.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor's default.

49 Release from Performance

49.1 If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor, the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made.

F. OTHERS

50 Warranty / Defects Liability Period

50.1 The Contractor warrants that all Works executed under this Contract shall have no defect arising from materials or workmanship (except when the material is required by the Employer's Specifications) or from any act or omission of the Contractor, that may develop under normal use of the supplied materials or the Works in the conditions prevailing in the country of final destination.

50.2 This Warranty shall remain valid for a period specified in Appendix to Form of Tender after the materials or Works or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract. The Contractor shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract. If for reasons attributable to the Contractor, these guarantees are not attained in whole or in part, the Contractor shall at its discretion either:

a) make such changes, modifications, and/or additions to the Works or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at

its own cost and expense and to carry out further Performance Tests in accordance to respective Special Conditions of Contract; OR

b) Pay liquidated damages to the Employer with respect to the failure to meet the contractual guarantees. The rate of these liquidated damages shall be as per GCC clause 40 or respective Special Conditions of Contract or as specified in the Technical Specifications.

50.3 The Employer shall promptly notify the Contractor in writing of any claims arising under this warranty.

50.4 Upon receipt of such notice, the Contractor shall, within the period of 2 days and with all reasonable speed, repair or replace the defective Works or parts thereof, free of cost at the ultimate destination. In the event of any correction of defects or replacement of defective material during the Warranty period, the Warranty for the corrected or replaced material shall be extended to a further period from the date of replacement/repair/renewal.

50.5 If the Contractor, having been notified, fails to remedy the defect(s) within 2 days, the Employer may proceed to take such remedial action as may be necessary, at the Contractor's risk and expense and without prejudice to any other rights which the Employer may have against the Contractor under the Contract.

51 Force Majeure

51.1 Notwithstanding the provisions of GCC Clauses 21, 22 and 23, the Contractor shall not be liable for forfeiture of its performance security, penalty or termination for default, if and to the extent that, it's delays in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

51.2 For purposes of this Clause, "Force Majeure" means an event beyond the control of the Contractor and not involving the Contractor's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Employer either in its sovereign or Contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

51.3 If a Force Majeure situation arises, the Contractor shall promptly notify the Employer in writing of such conditions and the cause thereof. Unless otherwise directed by the Employer in writing, the Contractor shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

52 Settlement of Disputes

The Employer and the Contractor shall make every effort to resolve amicably through negotiation any disagreement or dispute arising between them under or in connection with the Contract.

53 Supply Terms

53.1 a) The Contractor shall supply 50% of the total quantity of LED light fixtures for each variant, as detailed in the BOQ, during the first year. These lights must be delivered within one month of the issuance of the Letter of Award.

b) The Contractor shall supply the remaining 50% of the total quantity of LED lights for each variant, as specified in the BOQ, within the first (1st) month of the second (02) year of the contract, commencing from the date of issuance of the Letter of Award.

53.2 Packing & Forwarding: Contractor/ bidders, wherever applicable, shall after proper painting, pack and crate all the equipment in such manner as to protect them from deterioration and damage

during rail and road transportation to the site and storage at the site till time of installation. Contractor/bidder shall be held responsible for all damage due to improper packing.

53.3 Demurrage / Wharf age: All demurrage, wharf age and other expenses incurred due to delayed clearance of the material or any other reason shall be to the account of the contractor/ bidder.

53.4 Transportation: The contractor/ bidder is required under the contract to deliver the goods to the site. Transportation, storage, safety and security of the supplied material, issuance of road permit etc. shall be the sole responsibility of the contractor/bidder.

54 Limitation of Liability

54.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to GCC Clause 53,

a) The Contractor shall not be liable to the Employer, whether in Contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Contractor to pay liquidated damages to the Employer; and

b) The aggregate liability of the Contractor to the Employer, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective works / equipment.

55 Governing Language

55.1 The Contract shall be written in English language. Subject to GCC Clause 3, English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract, which are exchanged by the parties, shall be written in the same language.

56 The Courts of Jurisdiction

56.1 Any suit or application, arising out of any dispute or difference on account of this Tender shall be filed in a competent court at Bangalore, Karnataka only and no other court or any other district of the country shall have any jurisdiction in the matter.

57 Notices

57.1 Any notice given by one party to the other pursuant to this Contract shall be sent to other party in writing or by facsimile or cable or telex or by hand (duly acknowledged) and confirmed in writing to the other Party’s address specified in Special Conditions of Contract.

58 Use of Contract Documents and Information; Inspection and Audit by the Government

58.1 The Contractor shall not, without the Employer's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Employer in connection therewith, to any person other than a person employed by the Contractor in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

58.2 The Contractor shall not, without the Employer's prior written consent, make use of any document or information enumerated in GCC Clause 58.1 except for purposes of performing the Contract.

58.3 Any document, other than the Contract itself, enumerated in GCC Clause 58.1 shall remain the property of the Employer and shall be returned (in all copies) to the Employer on completion of the Contractor's performance under the Contract if so required by the Employer.

58.4 The Contractor shall permit the BMRCL to inspect the Contractor’s accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the BMRCL, if so, required by BMRCL.

59 Site Investigation Reports

59.1 The Contractor, in preparing the Tender, shall rely on any site investigation reports referred to in the 'Appendix to Form of Tender', supplemented by any information available to the Tenderer.

60 Indemnity Clause:

60.1 The Contractor shall indemnify the Employer against all third-party claims of infringement of Intellectual Property rights of patent, trademark or industrial design rights arising from use of the materials or design or data or any part thereof in India.

60.2 The Contractor shall keep a complaint cum suggestion book in a conspicuous place at the ground floor in which the visitors may record their complaints/suggestions.

60.3 The Contractor shall ensure that the attendants provided by him maintain perfect discipline and behavior and they shall not in any manner cause any interference, annoyance, nuisance to BMRCL or its visitors or any other person. In the event of the complaint by the Engineer/officer (E&M) BMRCL, The Contractor shall immediately replace any such attendant.

60.4 The Contractor agrees and undertakes that the services provided by the attendants shall be to the entire satisfaction of the BMRCL and the Contractor shall make it clear to them that they are the employees of the Contractor. They shall not have any claims against BMRCL and BMRCL shall not be liable to wages, salary, compensation and any other emoluments or any statutory benefits due to them under any law or regulation. The Contractor shall be responsible for providing such amenities or emoluments to its employees admissible under the law/rules/regulation and service contract, as the case may be.

60.5 The Contractor shall at all times comply with the laws applicable to it. The Contractor shall take all reasonable steps during the period of this agreement and shall be solely responsible for third party safety.

60.6 The Contractor shall keep BMRCL indemnified of any loss/damages arising out of any fines or other governmental or private actions arising out of this agreement or during the period of the present agreement or extended period. The Contractor shall at all times indemnify the BMRCL and keep it and its staff and officials indemnified, saved, defended and harmless, from and against all suits, actions, proceedings, and all costs, charges, expenses, fines, penalties, prosecutions, losses, damages, liabilities, claims and demands which the BMRCL may bear, incur or suffer, and/or claimed from it, due to or by reason or any default, breach, on- compliance, non-observance and/or non-performance or any of the terms, conditions, covenants, stipulations or provisions hereof by the Contractor.

61 Advances

No advances shall be paid to the Contractor.

62 Price Variation Clause

Price variations clause is not applicable in this Contract.

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SECTION-VI

SPECIAL CONDITIONS OF CONTRACT (SCC)

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SECTION VI: SPECIAL CONDITIONS OF CONTRACT

1. General

The following Special Conditions shall be read in conjunction with the Section V: General Conditions of Contract including Amendments/ Corrigendum thereto. If any provision in these Special Conditions is at variance with that of the aforesaid documents, the later shall be deemed to take precedence there over.

2. Scope of Work / Inspection of Site

The work under this Contract comprises of entire completion of the works described in the document and as specified in the Technical Specifications and Scope of Work, Tenderer are advised to visit the Site(s)/Building(s) and ascertain for themselves the exact scope of work and its Working Conditions, viz. Working Hours, Availability of Site(s), availability of labour and materials and such other relevant conditions which effect the execution and the entire completion of the works etc. and quote their Tenders (Unit Rate) accordingly. Any claim whatsoever will not be entertained by the BMRCL at a later date. For the purpose of inspection of site, the Tenderer is advised to contact the Engineering Authority who will give reasonable instructions/facilities thereof. The Tenderer shall have deemed to have inspected the site and its surrounding beforehand and taken into account all relevant factors pertaining to site in the preparation and submission of this tender.

By agreement the Contractor will be authorized to undertake this work and is held fully responsible for the execution and performance for the entire Contract period.

During the tenure of the contract, the contractor shall be responsible for all Electrical, Mechanical and Civil works related to the proposed works. The contractor shall always maintain all Safety equipment provided in proper working condition at any point of time. The Employer shall be provided necessary support to carry out checks as and when required.

Before commencement of contract, the Contractor shall **submit details of work activities** to be performed as per the scope of work to the Employer and obtain his approval for the scheme. If any modification is considered necessary based on the experience, the contactor shall suitably alter the details and obtain Employer's approval.

2.1 The works:

The proposed works shall be carried out as directed by the BMRCL officer, following the issuance of the necessary Permit to Work, and under the instruction and supervision of BMRCL staff.

2.2 Deployment of staff:

The Contractor shall engage and deploy well-trained and competent technical personnel to ensure the safe and professional execution of work, in full compliance with the requirements of the contract. The Contractor's team shall inform the Employer's representative and begin work only after obtaining permission from the designated BMRCL staff or authorized representative. The escalation matrix and the names of the personnel coordinating the work must be submitted to the Office of the DGM (E&M-O&M) at Baiyappahalli Depot, Bengaluru-38, immediately upon the award of the contract.

2.3 Safety of workmen:

BMRCL shall in no way be responsible for any damage or injury to contractor's manpower or their property during the period of Contract as per this contract and the contractor shall observe all safety precautions. BMRCL having no liability for any losses during the Contract period, BMRCL shall not reimburse any payment towards medical expenses/compensation to the contractor staff, in case of accident/incident takes place in BMRCL premises.

2.4 **Identity:**

Contractor's staff shall wear Personal Protective Equipment and shall display identity card with photograph issued by the Contractor while entering the BMRCL premises. BMRCL shall in no way responsible for any accidents/incidents to the contractor staff.

2.5 **Fault rectification:**

Any rectification work related to the Contractor's executed works during the course of the contract shall commence immediately upon notification by the Employer or the Employer's authorized representative .

2.6 **Fitness Certificate:**

After completion of works, the Contractor shall give fitness certificate to the Employer in writing before the installation is offered back for service/operation

2.7 **Safety Audit:**

The Contractor shall conduct internal safety audit on both the Safety Management system and the internal site conditions to ensure safe working of system during the Contract period.

2.8 **Spares:**

The contactor shall replace defective spares of the items involved in the contract at free of cost during the course of Contract Period.

2.9 **Storage:**

BMRCL will provide adequate space at any suitable station for storage of job materials. It shall be the responsibility of the Contractor to provide and secure shelves/Amirah for storing spare parts. BMRCL will in no way be responsible for the safety and security of the tools and materials.

2.10 **Contractor's Liability:**

The Contractor shall pay salary & allowances to their staff as per extant Labour Laws.

2.11 **Supply of Water and Electricity**

i. The Employer shall make arrangements for Water supply and Electricity, pneumatic supply necessary for the Works.
ii. The Contractor shall make his own arrangements to tap the Electricity from the nominated sockets / points. The Contractor shall tap the Electricity as per IE Rules & IE Act (Latest) duly following all safety precautions.
iii. The Contractor shall submit full scheme for the requirement of Electricity & water. If scheme mentions Electricity requirement which is beyond the capacity of the Employer, in that case the Contractor shall make his own arrangements / alternative arrangements.
iv. The Contractor should make his own arrangements to draw the water from the available water point to the working place in such a manner without affecting the premises.
v. The Contractor should make his own arrangements for Electricity and Water if the Employer fails to provide Electricity and Water supply due to Technical or any other reasons beyond the control of the Employer

2.12 **Housing Facilities:**

The Contractor shall have to make his own arrangements for housing, boarding / lodging facilities for his staff / engineer.

2.13 **Noise and Disturbance / Pollution**

I. All works shall be carried out without unreasonable noise and disturbance. The Contractor shall indemnify and keep indemnified the Employer from and against any liability for damages on account of noise or other disturbance created while carrying out the work, and from and

against all claims, demands, proceedings, damages, costs, charges, and expenses, whatsoever, in regard or in relation to such liability.

II. Subject and without prejudice to any other provision of the Contract and the law of the land and its obligation as applicable, the Contractor shall take all reasonable precautions.

2.14 **Contractor's Office**

I. The Contractor should have an office in the Bangalore in consultation with the In-charge for planning, co-ordination and monitoring the progress of the Work and intimate the same in writing to In-charge.

II. The Engineer or technical staff deployed for the works should be qualified and trained in the relevant work with valid competency certificate issued by the Contractor and has the knowledge of safety procedures. The Personnel deployed shall be covered with all statutory requirements at the cost of the Contractor.

2.15 **Supply of Materials, Tools & Plant and Equipment:**

I. No material, tools, machinery, plant and equipment shall be supplied by the Employer except as mentioned in the Tender Document. The Contractor has to arrange all tools, equipment as well as cleaning reagents and consumables required for the work.

II. Replacement of all the spares/components shall be of the same make, type and model. If the make and model not available in the market same shall be replaced by an equivalent, make after obtaining approval/clearance from the date of NIT.

III. The Contractor shall supply free of cost, spare parts including materials which are worn out or have become defective during the Contract period. The quoted cost shall include the repairs and replacement of all the Electrical/Mechanical parts wherever required during the contract period.

2.16 **Use and Care of Site**

I. The Contractor shall not demolish, remove or alter structures or other facilities on the site without prior approval of the Employer.

II. All garbage/debris shall be removed from site daily or as they accumulate. All garbage/debris shall be disposed to the approved locations. The necessary materials required i.e. cartoons/ dustbins etc to be provided by the Contractor at his cost. The transportation for disposing the debris shall also be arranged by the Contractor. The Waste disposal shall be done in sealed condition without affecting the Environment.

III. All Electrical and Electronic equipment's shall be cleaned under the supervision of an authorized representative of BMRCL.

IV. The Contractor shall clean only these areas of the Electrical / Electronic & other specified equipment's which are either mentioned in the specifications or are permitted by the Employer or mentioned by the authorized representative of the Employer.

3. Subcontracting (GCC Clause 7)

The Contractor shall not subcontract the whole of the Works.

4. Compliance with Labour regulations (GCC Clause 9.7)

During continuance of the Contract, the Contractor and his subcontractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance

of the provisions stipulated in the notifications / bye laws / Acts / Rules / regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of Security Deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The Employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

5. Safety and Security Measures (GCC Clause 15) - Fire Precautions

5.1 The Contractor, his agents, representative, workmen etc., shall strictly observe the orders pertaining to fire precautions prevailing within the restricted area.

5.2 Motor transport vehicles, if any allowed by the Engineer to enter the restricted area, must be fitted with serviceable fire extinguisher.

6. Access to the Site (GCC Clause 16)

Security and Passes

6.1 Contractor's attention is invited to condition that, he shall employ only Indian Nationals after verifying their antecedent and loyalty. The Contractor shall, maintain list of his agents, employees and work people concerned and shall satisfy the Engineer as to the bonafide of such people, and submit to the Engineer / Employer on demand.

6.2 The Employer shall at his discretion have the right to issue passes as per rules and regulations of the installation, area in force to control the admission of the Contractor, his agent's employees and work people to the site of the work or any part thereof. Passes should be returned at any time on demand by the Engineer or the authorities concerned and, in any case on completion of work.

6.3 The Contractor and his agents, employees and workers shall observe all the Rules promulgated by the authority controlling the area in which the work is to be carried out. e.g. Prohibition of smoking and lighting, fire precautions, search of persons on entry and exit, keeping to specific route, observing specified timing, etc., nothing extra shall be admissible for any man hours, etc., on this account.

6.4 Conditions of working

Work under this Contract lies in restricted area.

6.5 Visit to site within the restricted area

Permission to enter the restricted areas at the time of submission of Tenders can be obtained through the Employer or his authorized Representative. Tenderers are advised to send prior intimation of their agents, representatives etc., if any, dates and time of their proposed visit so that necessary arrangements may be made by Employer to secure admission. Whether a Tenderer visits the site or not he shall be deemed to have full knowledge of the restriction of entering into/exit from and working within the restricted area.

6.6 Entry/Exit

The Contractor his agents/representatives, workmen etc., and his materials, carts, trucks or other means of transport etc., will be allowed to enter through and leave from only such gate or gates and such times as the employer or authorities in charge of the restricted areas may at their sole discretion permit to be used. The Contractor's authorized representatives are required to be present at the place of entry and exit for the purpose of identifying his carts, trucks etc., to the personnel in charge of the security of restricted areas.

6.7 Identity Cards or Passes

The Contractor, his agents and representatives are required individually to be in possession of an identity Card or Pass duly verified by the Employer or his authorized Representative. The identity card or pass will be examined by the Security Staff at the time of entry into or exit from the Restricted Area and also at any time or number of times inside the Restricted Area.

6.8 Identity of Workmen

6.8.1 Every workman shall be in possession of an identity card. The Identity Card will be issued after thorough investigation of the antecedents of the laborers by the Contractors and attested by Officer-in-Charge of the unit concerned in accordance with the Standing Rules and regulations of the units.

6.8.2 Contractor shall be responsible for the conduct and action of his workmen, agents or representatives.

6.9 Working Hours

The Contractor should deploy well trained personnel to work during Course of Contract as per direction of concerned Engineer in charge of BMRCL.

6.10 Co-operation with other Agencies

The Contractor shall permit free access and generally afford reasonable facilities to other agencies or departmental workmen engaged by the BMRCL to carry out their part the work, if any, under separate arrangements.

6.11 Electric Supply

Electricity shall be provided on non-chargeable basis, if available and feasible. Otherwise, the Contractor shall make his own arrangements at his own cost, for Electrical Power and gas required for his works. Work shall not be delayed for non-availability of electricity/gas.

6.12 Emergency Works

If, by reason of an emergency arising in connection with and during the execution of the Contract, any protective or remedial work is necessary as a matter of urgency to prevent damage to the Facilities, the Contractor shall immediately carry out such work, under intimation to the Engineer.

6.13 Search

Thorough search of all persons and transport shall be carried out at each gate and for as many times as the gate is used for entry or exit and may also be carried out at any time or any number of times at the work site within the Restricted area.

6.14 Access Roads

i. Existing roads and other public roads may be used by the Contractor to carry out required works activities, with prior approval of the Competent Authority.
ii. The Contractor shall repair any damage to the road or bear the cost thereof due to movement of Contractor's plants and equipment, vehicles etc. to the specifications and satisfaction of Employer.

7. Inspection and Tests (GCC Clause 31)

7.1 Inspection and tests at final acceptance are as follows:

Inspection and tests at final acceptance are as follows:

(i) The inspection of the materials / Works shall be carried out to check whether the materials / Works are in conformity with the Technical Specifications attached to the Contract and shall be in line with the inspection/test procedures laid down in the Technical Specifications and the General Conditions of Contract. Following broad test procedure will generally be followed for inspection and testing of works.

(ii) The acceptance test will be conducted by the Contractor in presence of the Employer/their representative, or any other person nominated by the Employer, at its option. The acceptance will involve trouble-free operation. There shall not be any additional charges for carrying out acceptance tests. No malfunction, partial or complete failure of the Works should occur.

(iii) In the event of the materials / Works failing to pass the acceptance test, a period not exceeding two weeks will be given to rectify the defects and clear the acceptance test, failing which the Employer reserves the rights to get the Works replaced / redone by the Contractor at no extra cost to the Employer.

7.2 Materials and Samples

7.2.1 The Contractor shall produce samples of all materials/articles, fittings, accessories etc., that he proposes to use in the Works and get it approved in writing by the Engineer Authority before incorporating in the work. The materials, articles etc., as approved shall be labeled as such and shall be signed by the Engineer Authority and Contractor's representative. The samples shall be kept in the custody of the Engineer-in-Charge till payment of final bill.

7.2.2 Materials provided by the Contractor for incorporation in the work shall unless otherwise specified in the particular specifications, comply with the requirement of the latest relevant Indian Standard (IS) in the website of BIS i.e. www.bis.org.in. and as specified in Karnataka Pollution Control Board (KPCB).

8. Variations (GCC Clause 35)

The Total variation shall be limited to ± 25% of the Total Original Value of the Contract.

9. Key Dates:

All of the LED light fixtures proposed to covered under Two Year Contract. The execution of two year contract for the above Stations & Depots shall start from the date of award of the Letter of Acceptance/Notice to Proceed and shall be effective upto 2 years from there on. The contract can be extended as per SCC clause17 (Section-VI of Tender Document) for further period of 2 Year or part thereof, after completion of 2 years duration.

10. Taxes and Duties (GCC Clause 39)

9.1 The rates and prices quoted for each item shall be inclusive of labour cess charges and duties under applicable law but exclusive of CGST & SGST. BMRCL shall pay the output CGST & SGST as invoiced by the contractor to BMRCL. The quoted price also includes insurance, transportation up to destination, handling, installation, royalties & any other charges leviable and payable by the Contractor to the authorities and including Tax to be deducted at source as defined in ITT clause 11.

9.2 Contractors shall be entirely responsible for all Taxes, duties, license fees, octroi, road permits, etc., incurred until completion of the whole of the Works and handover to the Employer.

9.3 Income tax deduction:

As per the prevailing rate, IT shall be deducted and remitted to the Income Tax authorities and Form 16 shall be furnished by BMRCL in proof of remittance to IT Department. For availing lower deduction of Income Tax, necessary certificate for each financial year issued by the Income Tax Authority shall be furnished by the Contractor, failing which IT at the maximum rate will be deducted. The contractor should not be an Income Tax defaulter.

9.4 The successful Tenderer shall maintain complete records of duties, other taxes and levies, etc; payable to various authorities in relation to the Works and submit the receipts/records for verification as and when demanded in writing by the Employer.

9.5 Any increase in SGST & CGST shall not be paid in the extended period of Contract for which the Contractor alone is responsible for delay as determined by the Engineer while granting the extension of time". However, this shall not be applicable for "variations".

11. Termination (GCC Clause 46)

10.1 The Fundamental breach of the Contract shall also include that "the Contractor has contravened GCC Clauses 7 (Subcontracting) and 9 (Personnel).

10.2 In the event the Employer terminates the Contract in whole or in part, pursuant to GCC Clause 47, the Employer.

(i) shall forfeit the performance Security, and

(ii) may carry out the Works, upon such terms and in such manner as it deems appropriate, works similar to those incomplete, and the Contractor shall be liable to the Employer for any excess costs for such similar Works. However, the Contractor shall continue the performance of the Contract to the extent not terminated.

12. Settlement of Disputes (GCC Clause 52)

i. In case of any Dispute in settling claim or any other matter, the dispute settlement mechanism shall be as per GCC clause 52. Decision of BMRCL shall be final in this regard and binding on both parties.

ii. Notwithstanding any dispute herein:

(i) The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree and,

(ii) The Purchaser shall pay the Contractor, any monies due to the Contractor.

13. Notices (GCC Clause 57)

For the purpose of all notices, the following shall be the address of the Employer and Contractor.

Employer:

The Dy. General Manager (E&M)
Bangalore Metro Rail Corporation Ltd (O&M Wing)
Admin Bldg, Baiyappanahalli Depot,
Near NGEF Signal, Old Madras Road,
Bangalore – 560038, Karnataka, India

Contractor:

……..
…….
……..
(To be filled in after the award of Contract).

14. Use of Contract Documents and Information (GCC Clause 56)

The Contractor shall not communicate any classified information regarding **works** to others without prior approval of Engineer. The Contractor shall also not make copies of the design/drawings and other documents furnished to him in respect of works and he shall return all documents after

completion of works or on earlier determination of Contract. The Contractor shall along with final bill, attach a receipt from the Engineer in respect of his having returned the classified documents as per condition of General Conditions of Contract.

14. Proprietary Materials (New Clause)

14.1 The Contractor shall obtain proprietary materials from manufacturers authorized stockiest where such authorized stockiest have been appointed. The Contractor shall produce original receipt voucher of the same.

14.2 The Contractor shall ensure that proprietary materials are brought to site in original sealed containers/packing, breaking manufacturer's markings.

15. Protection of Environment:

The Contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the Contract, the Contractor and his Subcontractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

16. Payments (GCC 37):

BMRCL has registered itself in TReDS platform for acceptance of contractor's bill (factor unit), in case the contractor opts for the same.

17. Additional Clause – Extension of Contract

Extension of contract for a further period is permissible upon mutual agreement of Employer and Contractor.

SECTION-VII

TECHNICAL SPECIFICATIONS
&
SCOPE OF WORK

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SECTION VII

TECHNICAL SPECIFICATIONS & SCOPE OF WORK

Name of the Work: Supply, Installation, Testing, and Commissioning (SITC) of LED Lights with 5-year Comprehensive Onsite Warranty for Phase-1 Metro Stations and Depots of BMRCL.

1.0 **General:**

1.1 All works under this contract shall be strictly carried out in accordance with the Rules & regulations formulated by BIS (Bureau of Indian Standards) pertains to Electrical works and safety standards defined by BIS.

1.2 The scope of work also includes obtaining all applicable permissions/clearances/approvals from concerned authorities with regards proposed works.

1.3 Materials to be provided by the contractor for incorporation in the work shall unless otherwise specified in the technical specification comply with their requirements of the relevant Indian Standard (IS) including errata and amendments read in conjunction with latest edition. The contractor may, however, at his own discretion provide and incorporate in the works such materials complying with the requirement of any subsequently amended or revised edition of the corresponding IS.

2.0 SCOPE OF WORK :

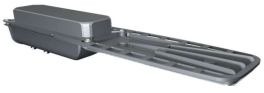
The scope of work involves supply, installation, testing, and commissioning of LED light fixtures of different types in Phase-I stations & depots. The period of contract is two (02) years. All the LED light fixtures shall be covered under OEM onsite comprehensive warranty for a period of five (05) years. The scope involves removal of old LED light fixtures and replacement of new one.

The technical specifications for recommended equivalent LED lamps/ fittings are as under:

Sl. No	Description of LED luminaries	Sample Image
1	The Bulkhead LED Light fixture from a reputed make should feature a high-pressure die-cast aluminum body with a polycarbonate diffuser, which is compatible with the existing Philips Model WT202W LED6S NW PSU S3 PC FRLSZH. The luminaires must achieve a minimum system efficacy of 110 lumens per watt and a minimum system lumen output of 1,000 lumens, maintained at 70% after 50,000 operating hours. The luminaires should have a CRI greater than 80 and a CCT of 6500K. They must comply with IP66 and IK09 protection ratings, have a total harmonic distortion (THD) of less than 20%, and a power factor greater than 0.90. The total system power consumption, including driver losses, should not exceed 20W, with the driver efficiency at a minimum of 85%. The luminaires must meet all relevant IEC standards and operate within a voltage range of 140 to 270 volts AC.	
2	The General Ceiling LED Light fixture from a reputed make should be compatible with the existing Philips Model PL-L 4 Pin. The light should have a power consumption of 18W, an input voltage range of AC 220-240V, a CCT of 6500K, and a luminous flux of 1200 lumens.	

3	The LED recessed mounted circular down lighter should have a luminous efficacy greater than 110 lm/W, with a luminous output of 1000 lumens maintained at L70B50 for 50,000 hours. The luminaire is made of PDC aluminum and features a PC diffuser with an IP20 rating. It should have a CRI greater than 80, an SDCM of less than 5, and a THD of less than 10%. The input voltage range should be 130-320V AC, and the luminaire must be EMI/EMC compliant. The Light fixture from a reputed make should be compatible with the existing Philips DN295B LED10S-4000 PSU WH. Power Consumption: 10W Input Voltage: AC 130-320V CCT: 4000K	
4	The LED Batten Light should feature a co-extrusion polycarbonate body with a polycarbonate diffuser. The luminaires must achieve a minimum system efficacy of 130 lumens per watt and a minimum system lumen output of 2100 lumens, maintained at 70% after 50,000 operating hours. They should have a CRI greater than 80 and a CCT of 6500K. The luminaires must comply with an IP65 rating, have a total harmonic distortion (THD) of less than 20%, and a power factor greater than 0.90. The total system power consumption, including driver losses, should not exceed 20W, and the luminaires should operate within a voltage range of 140 to 270 volts AC. The Light fixture from a reputed make should be compatible with the existing Philips WT150C LED 27S 6500 PSU L120 FRLSZH PXXXX.	
5	The LED Batten Light should feature a co-extrusion polycarbonate body with a polycarbonate diffuser. The luminaires must achieve a minimum system efficacy of 130 lumens per watt and a minimum system lumen output of 2100 lumens, maintained at 70% after 50,000 operating hours. They should have a CRI greater than 80 and a CCT of 6500K. The luminaires must comply with an IP65 rating, have a total harmonic distortion (THD) of less than 20%, and a power factor greater than 0.90. The total system power consumption, including driver losses, should not exceed 30W, and the luminaires should operate within a voltage range of 140 to 270 volts AC. The Light fixture from a reputed make should be compatible with the existing Philips WT150C LED 44S 6500 PSU L120 FRLSZH PXXXX.	
6	The suspended type or surface-mounted LED fitting is made of extruded aluminium and has an IP 20 rating. It boasts a system-level efficacy greater than 110 lumens per watt and a system lumen output of 2600 lumens. The luminaire has a lifespan of 50,000 hours at L70B50 lumen maintenance, a Correlated Colour Temperature (CCT) of 4000K, a Colour Rendering Index (CRI) greater than 80, and a power factor greater than 0.95. It also features Total Harmonic Distortion (THD) less than 10%, Standard Deviation of Colour Matching (SDCM) less than 5, and operates within a voltage range of 220 to 240 volts. It includes internal surge protection of 2.5KV. This Light fixture from a reputed make should be compatible with the existing Philips Model SP780P LED26S-4000 PSU W5L112	

	OD WH FRLSZH. n of Colour Matching (SDCM) less than 5, and operates within a voltage range of 220 to 240 volts. It includes internal surge protection of 2.5KV. This Light fixture from a reputed make should be compatible with the existing Philips Model SP780P LED26S-4000 PSU W5L112 OD WH FRLSZH. ur Matching (SDCM) less than 5, and operates within a voltage range of 220 to 240 volts. It includes internal surge protection of 2.5KV. This Light fixture from a reputed make should be compatible with the existing Philips Model SP780P LED26S-4000 PSU W5L112 OD WH FRLSZH. Power Consumption: 26W	
7	The LED batten light (4 feet) from a reputed make should be compatible with the existing Philips Model SLIMLINE NEXT 20W CDL LED. It should have a power consumption of 20W, operates on an input voltage of AC 220-240V, and features a Correlated Colour Temperature (CCT) of 6500K.	
8	The LED batten light (2 feet) from a reputed make should be compatible with the existing Philips Model SLIM LINE NEXT ELITE 9W LED BATTEN. It should have a power consumption of 9W, operates on an input voltage of AC 220-240V, and features a Correlated Colour Temperature (CCT) of 6500K	
9	The recessed mounted LED light fixture from a reputed make should be compatible with the existing Philips Model RC380B LED 36S-4000 G5. It should have a power consumption of 30W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 4000K.	
10	The surface-mounted LED light from a reputed make should be compatible with the existing Philips Model SM380C P LED20S-4000 L30W30 PSU OD. It should have a power consumption of 20W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
11	The LED circular downlight fixture from a reputed make should be compatible with the existing Philips Model DN296B LED20S-4000 PSU WH. It should have a power consumption of 20W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 4000K.	
12	The LED batten light fixture from a reputed make should be compatible with the existing Philips Model BN100C LED40S-4000 PSU L120 GR S3 FRLSZH PXXXX. It should have a power consumption of 40W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
13	The LED batten light fixture from a reputed make should be compatible with the existing Philips Model BN100C LED20S-4000 PSU L120 GR S3 FRLSZH PXXXX. It should have a power consumption of 20W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	

14	The LED floodlight from a reputed make should be compatible with the existing Philips Model BVP283 LED181 CW FG SY5NB 150W V1. It should have a power consumption of 150W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 4000K.	
15	The LED spotlight from a reputed make should be compatible with the existing Philips Model RS261B P LED36S/840 PSU MB WH FRLSZH from approved manufacturers. It should have a power consumption of 30W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 3000K.	
16	The recessed mounted LED light fixture from a reputed make should be compatible with the existing Philips Model RC380B LED36S-4000 G6 L60W60 PSU ODFRLSZH PXXXX. It should have a power consumption of 30W, operates on an input voltage of AC 220-240V and features a Correlated Color Temperature (CCT) of 4000K.	
17	The trunking type LED light fixture from a reputed make should be compatible with the existing Philips Model LL199X 1XDLED40. It should have a power consumption of 32W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
18	The recessed mounted LED light fixture from a reputed make should be compatible with the existing Philips Model RC380B LED36S-6500 G6 L60W60 PSU OD FRLSZH PXXXX. It should have a power consumption of 30W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
19	The recessed mounted LED light fixture from a reputed make should be compatible with the existing Philips Model RC380B LED36S-6500 L120W30 PSU OD G2 FRLSZH PXXXX. It should have a power consumption of 30W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
20	The clean room type LED light fitting from a reputed make should be compatible with the existing Philips Model CR652B LED60S-6500 PSU CA BO W60L60 WH FRLSZH PXXXX. It should have a power consumption of 54W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
21	The LED street light fitting from a reputed make should be compatible with the existing Philips Model BRP501 LED084 CW R3C PSU S1 FRLSZH PXXXX. It should have a power consumption of 70W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
22	The LED batten light fixture from a reputed make should be compatible with the existing Philips Model BN100C LED40S-6500 PSU L120 GR S3 FRLSZH PXXXX. It should have a power consumption of 40W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	

23	The LED floodlight from a reputed make should be compatible with the existing Philips Model BVP120 LED047 CW FLNB FG A1 PSU GR FRLSZH PXXXX. It should have a power consumption of 35W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
24	The surface-mounted LED light fixture from a reputed make should be compatible with the existing Philips Model SM296C LED12S-6500 PSU WH FRLSZH PXXXX. It has a power consumption of 10W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
25	The LED Bay light fixture from a reputed make should be compatible with the existing Philips Model BY203P LED84S CW PSU PC FRLSZH PXXXX. It should have a power consumption of 70W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
26	The LED downlight from a reputed make should be compatible with the existing Philips Model DN295B LED10S-6500 PSU WH FRLSZH. It should have a power consumption of 10W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
27	The surface-mounted LED light fixture from a reputed make should be compatible with the existing Philips Model SM380C P LED20S-6500 L30W30 PSU OD FRLSZH PXXX. It should have a power consumption of 20W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	
28	The surface-mounted LED light fixture from a reputed make should be compatible with the existing Philips Model SM270C 30S 6500 PSU OD WH X. It should have a power consumption of 33W, operates on an input voltage of AC 220-240V, and features a Correlated Color Temperature (CCT) of 6500K.	

Standards Applicable:

The lighting and their associated accessories such as lamps, reflectors, housings, ballasts etc., shall comply with the latest applicable standards, more specifically the following:

Electric light fittings General and safety requirements	IS: 1913
Industrial lighting fittings with metal reflectors	IS: 1777
Decorative lighting outposts	IS: 5077
Luminaries: General Requirement and tests	IS: 10322-1
General Lighting - LEDs and LED modules – Terms and Definitions	IS: 16101

Self- Ballasted LED Lamps for General Lighting Services	IS: 16102
Method of electrical and photometric measurements	IS: 16103
DC or AC Supplied Electronic Control Gear for LED Modules - Performance Requirements:	IS: 16104
Method of Measurement of Lumen Maintenance of Solid State Light (LED) Sources:	IS: 16105
Method of electrical and photometric measurements	IS: 16106
Luminary's performance	IS: 16107

a) This specification covers for supply of Light Emitting Diode (LED) lighting that shall be used as general lighting in BMRCL.
b) The lumen maintenance of the LED fittings (of the system not chip) shall not be less than 70% after 50000 hrs. i.e. (L70; B50).
c) The product should be latest state of art and compliant to relevant IEC 60598-1, 2, 3, IEC 62031and IEC/PAS 62612 or their latest edition depending on the type of luminaire. In addition to the above luminaire shall adhere to relevant BIS standards IS 15885, 16101, 16102, 16103, 16104, 16105, 16106, 16107 (Part I & II) as per the application. The product shall be of proven design should possess type test certificate / performance certificate from the accredited laboratory. The product and is major components shall be state of art and of proven design.

FIXTURES:

a) Provision shall be made for main connection directly at the back of housing. Pendant fixtures specified with overall lengths are subject to change and shall be checked with site conditions and shall be installed as directed.
b) All suspended fixtures shall be mounted rigid and fixed in position in accordance with drawings, instructions and as per the approval of the Engineer-in-Charge.
c) Fixtures shall be suspended true to alignment, plumb, level and capable of resisting all lateral and vertical forces and shall be fixed as required.
d) The fixture shall be suitable to work under maximum ambient temperature of 45ºC and all the cables used in the LED luminaire shall be FRLSZH type.
e) Atmosphere - The equipment shall be designed to work in coastal, humid, salt laden and corrosive atmosphere.
f) Housing, if not used as a heat sink shall be made of 0.2 mm thick CRCA sheet / Extruded Aluminum (1 mm) or pressure die cast (PDC-2 mm), conforming to relevant standards, polyester powder coated of at least 40 microns) and high U.V. & corrosion resistance.
g) Heat sink used should be extruded Aluminum or Pressure Die-Cast Aluminum having high conductivity preferably ADC 12 or LM 6.
h) Outdoor luminaire shall be with clear toughened glass or clear polycarbonate cover. Luminaries should be covered with suitable Glass or diffuser with High Transitivity.
i) Lighting fixtures and accessories shall be designed for continuous trouble-free operation under diverse atmospheric conditions without deterioration of materials. Degree of protection of enclosure shall be at least IP-65 for outdoor fixtures. However, down lighter and other internal fixture shall be provided with at least IP-20 protection.

j) The fixture should have a surge protection device of 2 KV Rating.
k) The fixture should conform to applicable IS 10322 / IEC 60598 (All parts & amendments) and should have the associated LM-79 report (for Electrical and photometric test methodology for LED lighting) from accredited lab. Test report shall be submitted along with relevant catalogues.
l) The fixture shall be surface suspended or recessed type depending on the application area.
m) Reflector (if) shall be a high quality Aluminum reflector and shall have efficiency more than 85% to achieve a wide light distribution. The anodic film shall have a minimum thickness of 2.5 micron.
n) The fixture shall be provided with separate wiring channel with cover plate and earth terminal.
o) The fixture shall be BIS approved (with BIS mark in the luminaire)

LED FEATURES:

Manufacturer should have LM-80 report and projected life of the chip. Manufacturer has to submit the test report along with relevant documents.

High lumen efficacy LEDs suitable for the application along with following features shall be used*:*

a) LED Efficacy at the chip level shall > 120 lumen/watt (For High power LED)
   I. The efficiency of the LED at 85 Degree C junction temperatures shall be more than 85%.
   II. The system luminous efficacy of LED luminaire shall be as under：－
      - Efficacy > 100 lumen/Watt for low wattage luminaries (<45W); and
      - Efficacy > 100 lumen/watt for high wattage luminaries (>45W)

      (It shall be lesser until otherwise it is mentioned in detailed luminaire specifications)
b) Adequate heat sink with proper thermal management shall be provided.
c) Minimum view angle of the LED shall not be less than 120°.
d) Power factor of complete fitting shall be more than 0.9
e) LED shall be surface mounted type duly soldered to PCB by Reflow system. The Solder used shall be ROHS compatible for environment friendliness. LED / LED PCB shall be mechanically fixed (not to be glue fixed)
f) Input frequency range shall be between 50Hz ± 3%.
g) Color rendering index CRI >=70 as specified in item description.
h) Correlated Color Temperature shall be in the range of 4000 K - 6500 K as specified in item description.
i) It shall have an SDCM (standard deviation in color maintenance) of < 5.
j) The LED efficiency shall be more than 85% at a junction temperature of 85°C.

LED driver and Control Circuit Specification:

LED driver shall have following features*:*

a) The LED driver shall be constant current type.
b) Input voltage range within 140 V (RMS) to 270 V (RMS) at 50 HZ.
c) The driver shall be able to withstand surge (EFT+ESD interference) of minimum 2 KV with a rise time of 20 nanoseconds.
d) Output voltage of the driver shall be designed to meet the power requirement of the system.
e) Output over voltage protection of 125 V DC.
f) Output voltage ripple shall be within 3%.
g) It should have an option of DALI dimming (For luminaries which is mentioned in detailed specification).
h) The driver shall have an efficiency ≥ 85%
i) Total Harmonic Distortion shall be: -
   I. For 0- 50 W for shall be less than 10% (<10% for 0-50 W)
   II. Above 50 W rating shall be less than 10%. (<20% for >50 W)
   (It shall be greater until otherwise it is mentioned in detailed luminaire specifications)
j) The Current waveform should meet EN 61000-3-2
k) LED Driver shall withstand voltage of 350V for 2 hours and restore normal working when normal voltage is applied
l) The driver should comply to CISPR 15 for limits and methods of measurement of Radio Disturbance characteristics
m) The equipment should comply to IEC 61547 for EMC immunity requirements
n) The control gear should be compliant to IEC 61347-2-13, IEC 62031 and IEC 62384.
o) It shall have a power factor >0.9

General Requirements

The lumen maintenance of the LED lightings shall not be less than 70*%* after 50,000 hours i.e*.,* L70 **(***B50***).**

Test reports for various parameters i.e*.* Flux, power, efficacy, chromaticity, temperature, protection etc*.* issued by certified agency shall be furnished*.* Estimation on product's life and performance shall also be furnished*.*

BMRCL reserves the right of testing of products for its conformity in accordance with above

specifications**.**

The luminaire manufacturer Logo shall be embossed or screen printed in the luminaire.

REPORTS

Reports to be submitted by the manufacturer, the reports have to be from NABL accredited lab:

(a) The luminaire should be tested as per IEC 60598 standards and following test reports should be submitted: Heat Resistance Test, Thermal Test, Ingress Protection Test, Electrical / Insulation Resistance Test, Endurance Test, Humidity Test.

(b) Should be compliant to LM-79 IESNA: approved method for the Electrical and Photometric Measurements of Solid-State Lighting Products LM-79 testing of the complete luminaire

(c) Should be compliant to LM-80 IESNA: Approved Method for Measuring Lumen Maintenance of LED Light Sources and LED lumen depreciation time to L70 based on LM-80 data to estimate lifetime based on performance data collected from IESNA LM-80

(d) Required test certifications obtained from NABL accredited laboratory should be submitted for the specification stipulated in this section.

3.0 **Work Requirements**

3.1 **Work during Contract Period**

3.1.1 In addition to his obligations under the conditions of contract, the contractor shall provide services throughout the period of contract shall include attendance to all service calls, work described in the scope.

3.1.1.1 The Contractor shall deploy qualified personnel to rectify defects, with a valid Permit to Work (PTW), when requested by the Employer, and within a response time of 3 hours.

3.1.1.2 Based on the work Requirement Analysis, the Contractor shall indicate in the work Plan, the final programme, the proposed skill and manning level, spares level and special tools requirement.

3.1.2 **Employer's Work Strategy**

3.1.2.1 **Work Strategy:**

The Contractor, upon noticing any defects, deficiency in quality and quantity of spares and materials shall without delay, arrange for alternative source of supply and submit his proposal to the Employer's Representative for review.

3.1.3. **Competency of Personnel**

During the contract, the Contractor shall depute sufficient trained, Experienced and competent personnel on Site. Such persons shall have their generic competence established and must demonstrate their specific competence and knowledge in the particular systems, environment and procedures.

The Contractor shall provide evidence of specific competence and knowledge, which shall include:

-- **Assessment and certified training in particular applications and operations;**

-- **Recording of competence and work in the license holders log book; and**

-- **Receiving or in receipt of sufficient and current exposure to the area of work that the holder is licensed for.**

Routine spot checks on licensing may be carried out from time to time by the Employer's Representative's qualified personnel on the proficiency of the Contractor staff in the event of a failure, the Contractor shall under take the management and investigation necessary to identify and rectify the cause. Contractor shall carry out Failure Analysis/Failure Investigation & shall submit the Failure Analysis Investigation report within 3 days of the failure. Attempt shall be made to minimize the failures. In case of Type Defect/Repetitive failure, Contractor is required to change the Component/Item by another Type/ Make of component/item so as to avoid the recurrence of such failures. However, contractor shall submit such proposal to BMRCL and shall obtain prior approval of BMRCL. Such change of item in no case shall affect Reliability, Availability, Maintainability, & Safety of assets and safety of passenger.

3.1.4 **Testing and Re-commissioning of System and Equipment**

In the event of a failure requiring modifications to the System, the Contractor shall undertake any testing and re-commissioning required. Any such modification shall be submitted for review by the Employer's Representative.

3.1.5 **Temporary Alterations to Restore Service:**

The Contractor shall undertake any temporary modifications. Any such modification shall be submitted for review by the Employer's Representative.

3.1.6 **Communications:**

The Contractor shall ensure that adequate communication facilities are provided to its staff during the contract.

3.1.7 **Failure Investigations**

The Contractor shall conduct failure investigations.

Disputes between Contractor and other Contractors will be resolved by the Employer's Representative.

The Contractor shall make available to the Employer all test and failure data as required.

3.1.8 **Operation Activities**

The activities shall adhere to the Employer's safety protocols and the requirements outlined in the Operation and Maintenance Manuals. The Contractor shall provide a detailed recommendation for the items of work to be carried out, including, but not limited to, the following Step-by-Step procedure to carry out the task;

- Diagrams and flow charts for illustration, if applicable;
- Precautions for the personnel to follow; and
- Estimated duration and man power required.

4. **General**

(i) The Contractor shall keep sufficient Spare parts and Consumables during the Contract period to ensure that replacement work for defect can be carried out immediately.

(ii) A competent Engineer shall be provided to investigate the fundamental cause of a fault & Remedial actions are taken accordingly. Temporary quick fix solution will not be accepted.

(iii) The Employer shall at his discretion, take action to recover all losses incurred rising from the failure of the Contractor to perform the duties either wholly or in part as detailed in this section.

5. **Training Course for Departmental staff**

Not Applicable

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SECTION-VIII

(DRAWINGS)

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SECTION VIII – DRAWINGS

(NOT APPLICABLE)

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SECTION-IX

PROFORMA OF BANK GUARANTEES

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SECTION IX : PROFORMA OF BANK GUARANTEES

PROFORMA – A : Form of Bank Guarantee for Tender Security / Earnest Money Deposit

PROFORMA – B : Form of Bank Guarantee For Performance of Contract

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PROFORMA - A

FORM OF BANK GUARANTEE FOR TENDER SECURITY / EARNEST MONEY DEPOSIT

(Reference ITT clause 14)

(To be stamped in accordance with Stamp Act, if any, applicable for the issuing bank)

To,
Bangalore Metro Rail Corporation Limited (BMRCL)
3rd Floor BMTC Complex,
K.H. Road, Shanthinagar
Bengaluru- 560027.
Karnataka, INDIA.

1. **WHEREAS** _____ *[Name and Address of the Tenderer]* (hereinafter referred to as the "Bidder" or "Tenderer") has undertaken for submission of Tender in pursuance of Tender Notification No. _____ for _____ *[Name of the Works]* (hereinafter referred to as the "Bid" or "Tender").

2. **AND WHEREAS** it has been stipulated in the Tender issued by Bangalore Metro Rail Corporation Limited (BMRCL) (hereinafter referred to as the "Employer" or "BMRCL") that the Tenderer shall furnish to Employer an unconditional and irrevocable Bank Guarantee from an Indian Scheduled Bank (excluding Cooperative Bank) or from a Scheduled Foreign Bank as defined in Section 2(e) of RBI Act 1934 read with second schedule, for the sum specified herein below as Tender Security(EMD) for compliance of the obligations in accordance with the Tender conditions. In pursuance to this, M/s_____ has requested for issuance of the Bank Guarantee for the sum specified herein below as Tender security (EMD).

3. **AND WHEREAS** we _____ *[Name and full address of the Bank including Email address]* having registered office at _____ (hereinafter referred to as the "Bank"), which expression shall unless repugnant to the context or the meaning thereof, include its successors, administrators, executors, assignees, do hereby agree to give the Employer such a Bank Guarantee drawn and payable at Bengaluru _____ branch on behalf of the tenderer.

4. **NOW therefore**, the Bank hereby affirm that it is the guarantor and responsible to 'Employer' and their successors, on behalf of the 'Tenderer' up to a total sum of INR/Foreign Currency/ies _____ *[the amount of Guarantee to be specified in figure and words in the respective currency/ies as specified in the Tender document]*. Further, the Bank hereby unconditionally, irrevocably and without demur undertake to immediately pay, the Employer upon the Employer's first written demand and without cavil, or arguments any sum or sums within the limits of the sum specified in this Bank Guarantee as aforesaid without the Employer being required to prove or to show grounds or reasons for the demand, by depositing/crediting to the Current Account of the

Employer, the sums specified herein.

5. This Bank Guarantee is encashable at our designated Branch as mentioned below:
Name of the Bank, Branch and contact details Address Telephone no: & Fax No: E-mail Address Branch Manager/s name & mobile No: Bank Zonal Office Address, Telephone No, Fax Number, E-mail Address: _____

OR

This e- Bank Guarantee shall be encashable at the issuing branch of the Bank through NeSL portal.

6. The Bank hereby confirms that the Bank is on the SFMS (Structural Finance Messaging System) platform and shall invariably send an advice of the Bank Guarantee to the designated Bank of the Employer as given below:

Sl. No.	Particulars	Details
i	Name of Beneficiary	Bangalore Metro Rail Corporation Limited
ii	Name of Bank	Bank of India
iii	Branch	Cantonment Branch, Bengaluru.
iv	Address of Branch	49, Jyothi Mahal, St. Mark's Road, Bangalore - 560001
v	Account No.	840420110000760
vi	IFSC Code:	BKID0008404

7. This Bank Guarantee shall be encashed at the demand of the Employer on or before the due date.

8. The Employer shall have full rights to encash this bank guarantee at any time during the validity period and the 'Tenderer' shall have no right or claim whatsoever in the matter of encashment of the Bank guarantee amount by the 'Employer'. The Bank will be fully responsible in terms of the guarantee and obligation, to make immediate payment to 'Employer', without the consent of the Tenderer and without referring the matter to the 'Tenderer'.

9. The Bank will deliver the money required by the 'Employer' immediately on demand without delay without reference to the 'Tenderer' and without the necessity of a previous notice or of judicial or administrative procedures and without it being necessary to prove to the Bank the liability or damages resulting from any defects or shortcomings or debts of the 'Tenderer'.

10. Courts at Bengaluru, Karnataka, India shall have exclusive jurisdiction for adjudicating the disputes arising out of the encashment of the Guarantee, and, the said Bank undertakes not to revoke this Guarantee during its currency, except with the previous consent of the 'Employer' in writing and agree that any change in the constitution of the Bank shall not discharge its liability hereunder.

11. This Bank Guarantee will not be discharged due to the change in the constitution of the 'Tenderer' or change in the constitution of the bank.

12. This Deed of guarantee is signed and executed by Shri/Smt _____ and Shri/Smt _____ who is/are authorized by the Bank for issuing the guarantee on its behalf and their ID No/s. and Email address/es being_____ & _____ and _____ & _____ respectively.

13. The Bank's liability under this Guarantee shall not exceed the amount of _____ *[Indian*

Rupees/Foreign Currency/ies to be specified in words and figures].

14. This guarantee shall be valid till _____ *[Date to be mentioned]*.

15. The pendency of any dispute or arbitration or other proceedings shall not affect this guarantee in any manner.

16. It is hereby agreed that the liability of the Bank under this guarantee shall cease on whichever of the following events first occur.
    a) Payment by the Bank of the guaranteed sum in full to the 'Employer',
    or
    b) Receipt of written communication from the 'Employer' to the Bank along with the original Bank Guarantee discharging the Bank of its liability covered by this Bank Guarantee. In case of electronic Bank Guarantee (e-BG), release/discharge of eBG by the Employer through NeSL Portal.

SIGNATURE AND SEAL OF THE GUARANTOR

DATE: _____

NAME OF THE BANK: _____

ADDRESS: _____

Note:

1. *The stamp paper of appropriate value shall be purchased in the name of the bank, who issues the 'Bank Guarantee".*
2. *The above format shall be used for e-Bank Guarantee also.*
3. *For e-BG, the Entity Number of BMRCL is 'AAACB4881D'.*
4. *Tender No. shall be the reference to be stated in the e-BG.*

PROFORMA – B

FORM OF BANK GUARANTEE FOR PERFORMANCE SECURITY

(Refer GCC clause ……)

(To be stamped in accordance with the Stamp Act of the Country of Issuing Bank)

To
Bangalore Metro Rail Corporation Limited (BMRCL)
3rd Floor, BMTC Complex,
K.H. Road, Shanthinagar
Bengaluru – 560027,
Karnataka, INDIA.

1. **WHEREAS** _____ *[Name and Address of the Contractor]* (hereinafter referred to as the "Contractor") has undertaken for due performance of the Contract, in pursuance of LoA/Contract No. _____ for _____ *[Description of the Contract work to be specified]* (hereinafter referred to as "the Contract"). The Contract was awarded by Bangalore Metro Rail Corporation Limited (hereinafter referred to as the "Employer" or "BMRCL"), which expression shall unless repugnant to the context or the meaning thereof, include its successors, administrators, executors and assignees, to the Contractor.

2. **AND WHEREAS** it has been stipulated in the Contract that the Contractor shall furnish to the Employer with an unconditional and irrevocable Bank Guarantee for *Performance Security* for the sum specified herein below as security for *compliance of the obligations and performance of the Contractor*. In pursuance to this M/s. _____ (the Contractor) has requested for issuance of the Bank Guarantee for the sum specified herein below.

3. **AND WHEREAS we** _____ *[Name and full address of the Bank including Email address]* having registered office at _____ (hereinafter referred to as the "Bank"), which expression shall unless repugnant to the context or the meaning thereof, include its successors, administrators, executors, assignees, and the correspondent Bank hereby agrees to give the Employer on behalf of the Contractor such a Bank Guarantee drawn and payable at Bengaluru branch.

4. **NOW therefore**, the Bank hereby affirm, that it is the guarantor and is responsible to the Employer and their successors, on behalf of the Contractor 'up to a total sum of _____ *[the amount of Guarantee to be specified in figure and words in the respective currency/ies in which the contract price is payable]*. Further, the Bank hereby unconditionally, irrevocably and without demur undertake to immediately pay, the Employer upon the Employer's first written demand and without cavil, or arguments any sum or sums within the limits of the sum specified in this Bank Guarantee as aforesaid without the Employer being required to prove or to show grounds or reasons for the demand, by depositing/crediting to the Current Account of the Employer, the sums specified herein.

5. This Bank Guarantee is encashable at the Issuing Bank's designated Branch in Bengaluru,

Karnataka, India as mentioned below:

Name of the Bank, Branch and contact details, Address, telephone no: & Fax No: E-mail Address Branch Manager/s name & Mobile No: Bank Zonal Office Address, Telephone No, Fax Number, E-mail Address: _____

OR

This e- Bank Guarantee shall be encashable at the issuing branch of the Bank through NeSL portal.

6. The Bank hereby confirms that the Bank is on the SFMS (Structural Finance Messaging System) platform and shall invariably send an advice of the Bank Guarantee to the designated Bank of the Employer (Bangalore Metro Rail Corporation Limited) as given below:

Sl. No.	Particulars	Details
i	Name of Beneficiary	Bangalore Metro Rail Corporation Limited
ii	Name of Bank	Bank of India
iii	Branch	Cantonment Branch, Bengaluru.
iv	Address of Branch	49, Jyothi Mahal, St. Mark's Road, Bangalore – 560 001
v	Account No.	840420110000760
vi	IFSC Code:	BKID0008404

7. This Bank Guarantee shall be encashed at the demand of the Employer on or before the due date.

8. The Employer shall have rights to encash this Bank Guarantee at any time during the validity period and the 'Contractor' shall have no right or claim whatsoever in the matter of encashment of the Bank Guarantee amount by the 'Employer'. The Bank will have their responsibility in terms of the guarantee and obligation, to make immediate payment to the 'Employer', without the consent of the 'Contractor' and without referring the matter to the 'Contractor'.

9. The Bank shall be liable to pay the 'Employer', any amount up to and inclusive of the aforementioned full amount upon written order from the 'Employer' to indemnify the 'Employer' for any liability or damage resulting from any defects and/or shortcomings of the 'Contractor' and/or the debts the 'Contractor' may have incurred with the 'Employer' and/or any parties involved in the Works under the Contract mentioned above, whether these defects and/or shortcomings and/or debts are actual and/or estimated and/or expected. The Bank will deliver the money required by the 'Employer' immediately on demand without delay without reference to the 'Contractor' and without the necessity of a previous notice or of judicial or administrative procedures and without it being necessary to prove to the Bank the liability or damages resulting from any defects or shortcomings or debts of the 'Contractor'.

10. Courts at Bengaluru, Karnataka, India shall have exclusive jurisdiction for adjudicating the disputes arising out of the encashment of the Guarantee, and, the said Bank undertakes not to revoke this Guarantee during its currency, except with the previous consent of the 'Employer' in writing and agree that any change in the constitution of the Bank shall not discharge its liability hereunder.

11. This Bank Guarantee will not be discharged due to the change in the constitution of the 'Contractor' or change in the constitution of the Bank.

12. This Deed of guarantee is signed and executed by Shri/Smt _____and Shri/Smt _____who is/are authorized by the Bank for issuing the guarantee on its behalf and their ID No/s. and Email address/es being _____ & _____ and _____ & _____ respectively.

13. The Bank's liability under this Guarantee shall not exceed the amount of_____ *[Indian Rupees/Foreign Currency/ies to be specified in words and figures]*.

14. This Bank guarantee shall be valid till _____ *[Date to be mentioned]*.

15. The pendency of any dispute or arbitration or other proceedings shall not affect this guarantee in any manner.

16. It is hereby agreed that the liability of the Bank under this guarantee shall cease on the happening of any of the following events:

    a) Payment by the Bank of the Guaranteed sum in full to the 'Employer',

    or

    b) Issue of written communication by the Employer, to the Bank, along with the original Bank Guarantee discharging the Bank of its liability covered by this Bank Guarantee. In case of electronic Bank Guarantee (e-BG), release/discharge of e-BG by the Employer through NeSL Portal.

SIGNATURE AND SEAL OF THE GUARANTOR

DATE: _____

NAME OF THE BANK: _____

ADDRESS: _____

Notes:

1. *The stamp paper of appropriate value shall be purchased in the name of the bank, who issues the 'Bank Guarantee".*
2. *The Bank Guarantee to be submitted shall be got issued from an Indian Scheduled Bank (excluding Cooperative Bank) or from a Scheduled Foreign Bank as defined in Section 2(e) of RBI Act 1934 read with second schedule.*
3. *The above format shall be used for e-Bank Guarantee also.*
4. *For e-BG, the Entity Number of BMRCL is 'AAACB4881D'.*
5. *Tender No. shall be the reference to be stated in the e-BG.*

SECTION-X

ANNEXURES

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SECTION X: ANNEXURES

ANNEXURE - 1	**FORM OF CONTRACT AGREEMENT**
ANNEXURE - 2	**CHECK LIST**
ANNEXURE - 3	**DETAILS OF BANK ACCOUNT**
ANNEXURE - 4	**FORMAT OF DECLARATION TOWARDS LITIGATION / ARBITRATION / DEBARMENT / BLACKLISTING**
ANNEXURE - 5	**UNDERTAKING**
ANNEXURE - 6	**FORM OF CERTIFICATE FOR ELIGIBLE SOURCE COUNTRIES**
ANNEXURE - 7	**FORMAT OF PRODUCT SUITABILITY CONFIRMATION LETTER**

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ANNEXURE- 1

FORM OF CONTRACT AGREEMENT

CONTRACT No. BMRCL/2024-25/EL/WORK_INDENT67

Supply, installation, testing and commissioning (SITC) of LED light fixtures covered with 5-year comprehensive onsite warranty, for Phase-1 metro stations of BMRCL.

This **Contract Agreement** (hereinafter called the **"Contract"**) is made at Bangalore on the..... day of …… by and between:

BANGALORE METRO RAIL CORPORATION LIMITED, a Public Limited Company incorporated under Companies Act 1956 and a 50:50 Joint venture of Government of India and Government of Karnataka formed for the purpose of execution of a Mass Rapid Transit System in the city of Bengaluru, represented herein by its Executive Director (O&M), authorized to sign and bind the Company, with its office located at III Floor, BMTC Complex, K.H. Road, Shanthinagar, Bengaluru 560 027, Karnataka State, India hereinafter referred to as the **"BMRCL"** or the **"EMPLOYER"**, as the case may be, which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include its successors and assigns, of the one part,
and

M/s ……..(*name of the Contractor*)……..,a.....*(legal status).....*Company incorporated under Companies Act 1956, having is office at *.....(Contractor's office address).....,* represented herein by Mr. .....(*name and designation of the representative).....,*authorized to sign and bind the Company under the Power of Attorney dated..... and the Board Resolution dated ....., who shall be responsible to the Employer under the Contract No. *"***Supply, installation, testing and commissioning (SITC) of LED light fixtures covered with 5-year comprehensive onsite warranty, for Phase-1 metro stations of BMRCL.**", hereinafter referred to as the "Contractor", which expression shall unless excluded by or repugnant to the context or meaning thereof be deemed to include its successor and assigns, of the other part.

Hereinafter, **BMRCL/Employer and Contractor** are collectively referred to as **"Parties"** and individually as **"party"**

WHEREAS, the Employer invited Tenders for Contract No. **BMRCL/2024-25/EL/WORK_INDENT67** vide notification no. .....dated..... and the Contractor has in response submitted a Tender for "**Supply, installation, testing and commissioning (SITC) of LED light fixtures covered with 5-year comprehensive onsite warranty, for Phase-1 metro stations of BMRCL.**" (hereinafter referred to in this Agreement as "the Works") and agrees to undertake performance of the Works under the terms and conditions set forth in this Contract.

AND WHEREAS, the Contractor emerged as the successful Tenderer and the Employer awarded the Contract to the Contractor and the Contractor agrees for " **Supply, installation, testing and**

commissioning (SITC) of LED light fixtures covered with 5-year comprehensive onsite warranty, for Phase-1 metro stations of BMRCL." under the terms and conditions specified in this Contract and other Documents, forming part thereof.

NOW THEREFORE THE PARTIES HEREBY AGREEAS FOLLOWS:

Clause 1: Words and Expressions:

In this Contract, all the words and expressions shall have the same meaning as are respectively assigned to them in the conditions of Contract hereinafter referred to.

Clause 2: The Contract Documents

2.1 The following shall be deemed to form and be read and construed as a part of the Agreement.

(a) Letter of Acceptance No. …… dated……
(b) Priced Bill of Quantities
(c) Instruction to Tenderers/ Bidders
(d) General Conditions of Contract
(e) Special Conditions of Contract
(f) Bid Forms/ Tender Forms
(g) Technical Specifications including scope of work
(h) Employer's clarifications to Pre-Bid Queries and Addendum No.... dated .....
(i) Contractor's proposals submitted vide letter no. ..... dated.....
(j) All correspondence between the Tenderer/ Bidder and BMRCL from the date of issue of NIT and the date of issue of this LOA.
(k) Performance Security in the form of Bank Guarantee issued by ..... (name & address of the issuing bank) ....., vide BG No. ..... dated ..... amounting to .....valid up to.....and its authensity confirmed by the bank vide letter no….. dated
(l) Any other document forming part of this Contract.

2.2 All of the foregoing documents, together with this Contract Agreement, are referred to herein as the Contract. Also incorporated into the Contract, and made part hereof, are all codes, standard specifications, and similar requirements that are referred to therein. In the event of conflict, inconsistency, ambiguity or discrepancy between the contents of the Contract, the order of precedence shall be according to the Special Conditions of Contract.

Clause 3: Integration

The Employer and the Contractor agree that this Contract Agreement, together with the other Contract Documents, expresses all of the agreements, understandings, promises, and covenants of the parties and that integrates, combines, and supersedes all prior and contemporaneous negotiations, understandings, and agreements, whether written or oral and that no modification or alteration of the Contract Documents shall be valid or binding on either party, unless expressed in writing and executed with the same formality as this Contract Agreement, expect as may otherwise be specifically provided in this Contract Documents.

Clause 4: Contract Price and Completion Time:

The Contract price is inclusive of labour, cess charges and duties under applicable law but exclusive of CGST & SGST as invoiced by the contractor to BMRCL (as per clause 28 of the General Conditions of Contract and respective Special Conditions of Contract) and completion time for executing the works under the Contract as below:

1.	Estimated Cost specified in the Tender	Rs……
2.	Total Contract Price	Rs……. (Indian Rupees…….only).
3.	Date of Commencement of Works	Date of issue of Letter of Acceptance (LOA) as per clause 29 of ITT.
4.	Completion period	02 Years

Clause 5: Obligations of the Contractor:

The mutual rights and Obligations of the Employer and the Contractor shall be set forth in the Contract and in particular: -

a. The Contractor agrees, subject to the terms and conditions of the Contract, to perform efficiently and faithfully all of the Works of "**Supply, installation, testing and commissioning (SITC) of LED light fixtures covered with 5-year comprehensive onsite warranty, for Phase-1 metro stations of BMRCL**." under the Contract including …….. (Brief scope of works) ……...requisite for or incidental to the successful completion of the Works and in carrying out all duties and obligations imposed by the Contract.

b. The Contractor shall ensure full compliance with Tax laws of India with regards to this Contract and shall be solely responsible for the same. He shall submit copies of acknowledgements evidencing filing of returns and shall keep the Employer fully indemnified against liability of tax, interest, penalty etc., of the Contractor in respect thereof, which may arise.

Clause 6: Obligation of the Employer:

The 'EMPLOYER' agrees, subject to the terms and conditions of the Contract to pay Contractor the amount specified and at the rates and terms and in the manner set forth in the Contract.

Clause 7: Governing Law:

This Contract is construed/ interpreted and enforceable under the applicable laws of the Republic of India.

Clause 8 Language:

This Contract Agreement and the other Contract Documents are made in the English language.

Clause 9 Notices:

All Notices called by the terms of the Contract shall be in writing in English Language and shall be delivered by hand or by registered mail with acknowledgement due. All notices shall be deemed to be duly made by the party to whom it is addressed at the following address or such other address in India as such party may subsequently notify the other.

To Employer:

Bangalore Metro Rail Corporation Ltd,
III Floor, BMTC Complex,
K.H. Road, Shanthinagar,
Bangalore-560027,
Karnataka, India.

To Contractor:

.....
.....
.....
.....

Clause 10 Jurisdiction of Court:

The Courts at Bengaluru shall have exclusive jurisdiction in respect of all the disputes arising out of this Contract Agreement between the Parties.

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names by the hands of their authorized representatives on the day and date first above written.
For Bangalore Metro Rail Corporation Limited.

(EMPLOYER)	(CONTRACTOR)
(.....)	(.....)
Witness:	Witness:
(.....)	(.....)

Note: The form of contract Agreement is tentative and may be modified as considered necessary at the time of finalization/signing of the Contract.

ANNEXURE - 2

CHECK LIST**

(A) The following check list is intended to help the Tenderers in submitting offer which are complete. An incomplete offer is liable to be rejected. Tenderers are advised to go through the Tender documents and the list carefully and take necessary action.

(B) Tenderers are also required to submit/upload copy of the checklist, duly marked, along with their offer.

The Tender submittals shall consist of the following:

I	**QUALIFICATION CUM TECHNICAL PACKAGE**	
a.	Earnest Money Deposit (Clause 14 of ITT)	Paid / Not paid
b.	Form of Tender on firm's Letter head (Clause 10 of ITT)	Submitted / Not Submitted
c.	Notarized Power of Attorney (Clause 15.2 of ITT) / Attested copy of the Partnership deed / Ownership record to demonstrate the authority to sign the Tender submittals.	Submitted / Not Submitted
d.	Untampered Tender Document uploaded by BMRCL in e-procurement portal (along with Employer's clarification and addenda, Corrigenda if any, duly signed and stamped on each page)	Submitted / Not Submitted
e.	Evidence of 'Tenderer's Eligibility and Qualification Criteria (Clause 2 & 3 of ITT) and **Qualification Information** (Section III) with CA's certifications.	Submitted / Not Submitted
f.	Copy of PAN card	Submitted / Not Submitted
g.	Copy of GST Registration Certificate	Submitted / Not Submitted
h.	Labour License & Class-01 Electrical license-GOK.	Submitted / Not Submitted
i.	**Bank Details** in prescribed Proforma given in **Annexure-3 of Section-X**	Submitted / Not Submitted
j.	**Client certificate, as per ITT clause 3.2**	Submitted / Not Submitted
k.	**Annexure-4: Declaration towards Debarment/Blacklisting**	Submitted / Not Submitted
l.	**Annexure-5: Undertaking** as per prescribed Proforma given **in Section-X**	Submitted / Not Submitted
m.	**Annexure-7: Site Visit and Product suitability Confirmation** as per prescribed Proforma given **in Section-X**	
n.	Constitution or legal status of Tender as per clause 1.1 of Section III	Submitted / Not Submitted
o.	Other Annexures and Additional Documents as provided in the Section X – Annexures	Submitted / Not Submitted
II	**Financial Package**	
	'Pricing Document' (Bill of Quantity) through e-procurement portal as per instructions for completing the pricing document, Section-XI and Clause 10 of ITT	Submitted / Not Submitted

Note to the Tenderer:

*** The above list is not exhaustive, any other document/s which are required as per the Tender document shall be submitted.*

ANNEXURE – 3

DETAILS OF BANK ACCOUNT

- Name of the Firm/Tenderer:
- Name of the account to which amount to be remitted:
- Complete Address:
- Name of the Bank:
- Branch:
- Address of the Bank Branch:
- Account Type:
- Account Number:
- IFS Code of the Bank Branch:
- MICR Code of the Bank Branch:
- Whether a cancelled Cheque of the Tenderer/Firm is submitted: Yes or No (please tick)

Certified that the information furnished above is correct.

Signature of the Tenderer

ANNEXURE-4

FORMAT OF DECLARATION TOWARDS DEBARMENT / BLACKLISTING

We, M/s …… *[Name of the Tenderer]* ……., herein after called “the Contractor”, do hereby affirm and declare that we have NOT been Black listed /Debarred by any Government / Government undertaking / semi Government / Govt. Controlled Institutions/ projects/ Reputed private organizations in India during last five (5) year Also, we have not reclined the works after the award of the contract during last five (5) year

In case it is found that above statement is not true, any time during effect of this Tender or currency of the Contract entered between the parties based on the above statement, BMRCL reserves its rights to terminate the Contract and forfeit the Tender Security / Performance Security at its discretion.

Place: **Signature of the Tenderer**

Date

Name:

Designation:

Seal of the Company:

Phone:

ANNEXURE -5

UNDERTAKING

We, M/s …… *[Name of the Tenderer]* ……. herein after called "the Contractor", do hereby affirm and undertake to abide by all the terms, conditions and specifications given in the Tender document while performing the contractual obligations relating to "**Supply, installation, testing and commissioning (SITC) of LED light fixtures covered with 5-year comprehensive onsite warranty, for Phase-1 metro stations of BMRCL**", Bangalore. We do hereby affirm and undertake to follow all labour laws that are applicable from time to time.

We also undertake that the Tender submittals do not contain any deviation or amendment or modification or change of any type whatsoever with tender conditions and specifications.

Place: **Signature of Tenderer.**

Date:

Name:

Designation:

Seal of the Company:

Phone:

ANNEXURE-6

FORM OF CERTIFICATE FOR ELIGIBLE SOURCE COUNTRIES

(To be submitted on Tenderer's Letter head)

1. I/We, …….*(Name of the Tenderer/Member)*……, have read ITT clause 36 regarding restrictions on procurement from a Tenderer of a country which shares a land border with India and on subcontracting to contractors from such countries; and I/we certify that I/we am/are:

   (a) **not from such a country,* ☐

   or,

   (b) **from such a country (……indicate country…….), have been registered with the Competent Authority@,* ☐

   and will not **subcontract** any work to a contractor from such countries unless such contractor is registered with the "Competent Authority".

   I/We hereby certify that I/we am/are fulfilling all requirements in this regard and eligible to be considered, in accordance to ITT clause 36.

2. Not Used
3. *I/We submit a registration certificate herewith as an evidence of valid registration by the "Competent Authority" and I/We further acknowledge the right of the Employer that absence of such a registration certificate in the Tender, if the Tenderer belongs to such country stated above, shall disqualify the Tenderer.
4. I/We acknowledge the right of the Employer to terminate the Tenderer for false declaration or certificate, along with further legal action in accordance with law.

Seal & Signature of the Tenderer

Note:

** Delete whichever is not applicable.*

@ Evidence of Valid Registration by the Competent Authority shall be attached.

ANNEXURE-7
(Format of Product Suitability Confirmation)

This is to certify that [Name & Designation] from [Name of the Company], located at [Company Address with GST No.], visited BMRCL Metro Stations on [Date of Visit] for the proposed work titled "**Supply, installation, testing and commissioning (SITC) of LED light fixtures covered with 5-year comprehensive onsite warranty for Phase-1 metro stations & Depots of BMRCL**."

During this visit, the existing LED light fixtures were inspected as per the Bill of Quantities (BOQ), specifically for their type, model, dimensions, specifications and layout arrangements.

Following the site visit, the prospective tenderer participated in the Product Suitability Demonstration Process, as outlined in ITT Clause 3 for criteria for qualification of Tender, on [Date of Demonstration]. The tenderer presented sample products of 28 various types of LED light fixtures as specified in the BOQ and successfully demonstrated their compliance with the required dimensions and specifications, ensuring compatibility with the existing fittings.

As the bidder has fulfilled the requirements specified under ITT Clause 3, M/s [Name of the Company] is hereby eligible to participate in the aforementioned Tender.

For M/s [Name of the Company] For BMRCL

(Seal & Signature of Prospective Tenderer)

Phone No:

Note:

1. The participating Tenderers must upload this certified copy to the e-portal as part of their Tender submission, following a successful product suitability demonstration by the prospective Tenderer.
2. Tenders submitted by Tenderers without a product suitability demonstration will be rejected.

ADDITIONAL DOCUMENT - 1

TENDERER'S DETAIL

S N	Description	Tenderer
1	Name of the Firm	
2	Type of company (clearly state whether it is a sole proprietorship, partnership, Pvt Ltd company, or any other type).	
3	Contact person	
4	Business Address	
5	Telephone No.	
6	Mobile No.	
7	Email ID	
8	PAN No	
9	GSTIN	

Seal & Signature of the Bidder

ADDITIONAL DOCUMENT – 2

FORM OF CERTIFICATE OF FINANCIAL TURNOVER

(on the CA's Firm Letter Head)

Certifying that the following is the Annual Turnover of M/s. [Name of the Company] (PAN No) with registered office at [Company Address].

The turnover for the past five (5) years is as follows:

Requirement	Financial Year	Financial turnover for the year
Financial turnover in the last five years (in ₹ Lakhs)	2019-20	
	2020-21	
	2021-22	
	2022-23	
	2023-24	

This certificate is issued based on copies of audited financial reports for Profit/Loss Account, Balance Sheet, and income tax return forms.

Place:

Date:

UDIN:

Name of the CA:

Membership No:

Seal with Signature:

Note:

a) Audited Balance sheet/profit & loss statement, as submitted by the applicant to the Income Tax Department [Copies of last 5 (Five) consecutive years to be attached).

b) ITR for last 5 (Five) consecutive years to be attached.

ADDITIONAL DOCUMENT – 3

DECLARATION REGARDING 'CORRUPT' AND 'FRAUDALENT' PRACTICES

(on the Tenderer's Letter Head)

We, [Company Name], located at [Company Address], hereby declare and affirm that we have not been subject to any declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka.

Place: ***Signature of the Bidder***

Date:

Name:

Designation:

Seal of the Company:

Phone:

ADDITIONAL DOCUMENT – 4

UNDERTAKING

(on the Tenderer's Letter Head)

We, [Company Name], located at [Company Address], hereby undertake and commit to the following:

a) For the works ["Name of the Work"], we pledge to achieve 100% local content in terms of manpower deployment.

b) [Company Name] certifies that it has not been debarred by any procuring entity for violation of any Procurement Preference Order/Policy.

Place: ***Signature of the Bidder***

Date:

Name:

Designation:

Seal of the Company:

Phone:

ADDITIONAL DOCUMENT – 5

BANKER'S CERTIFICATE

(on the Issuing Bank's Letter Head)

This is to certify that, [Company Name] is a reputed company with a good Financial standing. If the Contract for this work, namely "[Name of the Work]" is awarded to the above firm, we shall be able to provide overdraft / credit facilities to the extent of Rs…… to meet the working capital requirements for executing the above Contract.

Place:

Date:

Signature of Banker with Seal

Name of the Officer: _____

Designation: _____

ADDITIONAL DOCUMENT – 6

DETAILS OF SIMILAR WORKS EXECUTED

(on the Tenderer's Letter Head)

i. Details of all works of a similar category, as per Clause **3.2** of Section II Instruction to Tenderers, completed during the last five (5) years will be considered, counting from 28 days prior to the closing date of Tender Submission.

Sl. No.	Name of Project with Work Order No.	Client / Company Name	Project Commencement date and Completion date	Project Value (in Rs.)	Project Status (Completed / In Progress)	Completion Certificate from the Client with relevant Work order copy (Attached / Not Attached)
1						
2						

SECTION-XI

INSTRUCTIONS FOR COMPLETING THE PRICING DOCUMENT

1. *The Tenderer shall fill in and complete the Bill of Quantities (Financial Package) online through Karnataka Public Procurement Portal (e-Procurement portal) only and* ***no hardcopy of commercials should be attached or disclosed elsewhere.***
2. The total Tender price shall be inclusive of all applicable Taxes and duties under the applicable Acts but **exclusive of CGST & SGST**. BMRCL shall pay the applicable CGST & SGST as invoiced by the Contractor to BMRCL.
3. The Tenderer shall ascertain all applicable Taxes and Duties under the applicable Acts and shall be included in the quoted price.
4. The evaluation and comparison of Tenders shall be made accordingly by BMRCL. No claim will be entertained on this account after acceptance of the Tender or during the currency of the Contract.
5. **Income Tax (IT) deduction:** As per the prevailing rate, IT shall be deducted and remitted to the Income Tax authorities and Form 16 shall be furnished by BMRCL in proof of remittance to IT Department for availing lower deduction of Income Tax, necessary certificate for each financial year issued by the Income Tax Authority shall be furnished by the Contractor, failing which IT at the maximum rate will be deducted.
6. The Price quoted by the Tenderer shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.
7. Tender submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITT Clause 23.
8. The Tender Price shall be inclusive of all charges of insurance, transportation up to destination, handling, installation, royalties & any other charges leviable and payable by the Contractor under the Contract, or for any other cause and including Tax to be deducted at source and shall be included in the Total Tender Price.
9. The Contractor shall be entirely responsible for license fees and any other incidentals incurred until completion of the whole of the Works and handover to the Employer.
10. The Contractor shall maintain complete records of duties, other taxes and levies etc. payable to various authorities in relation to the Works and submit the receipts/records for verification as and when demanded in writing by the Employer.
11. Any increase in CGST & SGST shall not be paid in the extended period of Contract for which the Contractor alone is responsible for delay as determined by the Engineer while granting the Extension of Time. However, this shall not be applicable for “Variations”.

MOHANRAJ DORAISWAMY Digitally signed by MOHANRAJ DORAISWAMY Date: 2025.05.27 12:26:08 +05'30'